



ADDENDUM

Project: **Crestwood School District
Cherry Hill Baptist Church
Administration Relocation and Addition**

Project No.: **3221**

Date: **August 15, 2023**

Addendum Number: **#002**

Each Bidder's proposal amount shall include the work described herein.

This Addendum is hereby made a part of the Contract Documents. Unless otherwise indicated, the work described herein shall comply with, and be equal in all respects to the original Specification and Drawings accompanying same. Include incidental work required to properly complete the work, whether stated herein or not.

ARCHITECTURAL DRAWING REVISIONS

TTL – Title Page

ADD: A0.01 Code Review Plan

ADD: S6.01 Typical Steel Details

A0.01 - Code Review Plan

ADD: Sheet to drawing set

STRUCTURAL DRAWING REVISIONS

S0.01 – General Structural Notes

REVISE: Refer to clouded areas for drawing revisions.

S2.10 – Foundation Plan

REVISE: Refer to clouded areas for drawing revisions.

S2.11 – Roof Framing Plan

REVISE: Refer to clouded areas for drawing revisions.

S4.01 - Typical Mansory Sections

REVISE: Refer to clouded areas for drawing revisions.

S6.00 - Typical Sheet Details

REVISE: Refer to clouded areas for drawing revisions.

S6.01 - Typical Sheet Details

ADD: Sheet to drawing set.

S7.00 – Sections and Details

REVISE: Refer to clouded areas for drawing revisions.

SPECIFICATION REVISIONSSection 00 0115 List of Drawings

ADD: A0.01 Code Review Plan
ADD: S6.01 Typical Steel Details

Section 01 2100 Allowances

1.05 Allowances Schedule

CHANGE: B. Electrical Contingency Allowance:
FROM: Include the stipulated sum/price of \$40,000 for temporary power equipment required to power Phase 1 work while Phase 2 and 3 are under construction.
TO: Include the stipulated sum/price of \$70,000 for temporary power equipment required to power Phase 1 work while Phase 2 and 3 are under construction.

ADD: C. Winter Conditions Contingency Allowance: Include the stipulated sum/price of \$30,000 for temporary plywood exterior enclosures, insulation, temporary heating appliance, temporary heating fuel, etc.

Section 12 2400 Window Shades

ADD: Added approved substitute. Please refer to attached signed substitution request form.

GENERALEditable Forms

Editable forms are attached.

RFI Questions and Answers

RFI Question 5: Many of the walls are spec'd to be built to the deck. I see the flat roof portion of the building on page A9.52 detail 1, 2 & 3 and can see how tall the walls are to be. I'm not sure about the walls under the existing wood trusses though like page 9.02 detail 1, 2 & 3. Do the walls go all the way to wood roof deck on an angle or are the existing trusses drywalled on the bottom chord and the walls to be built to that height?

RFI Answer 5: The conditions vary in different areas of the pitched roof portion of the building. You should assume the walls extend to the underside of the sloping roof sheathing above. Coordinate between the roof plan and floor plan for approximate locations. The exact conditions are unknown due to spline ceilings and insulation.

RFI Question 6: Is the district going to provide a Winter Condition allowance?

RFI Answer 6: There will be a \$30,000 Winter Condition allowance. Refer to attached Spec Section 01 2100 Allowances

RFI Question 7: Since the district is purchasing the Electrical Equipment will they be responsible for the Arch Flash Study as noted in section 26 0573?

RFI Answer7: The Arc Flash Study is the contractor's responsibility per the specification.

RFI Question 8: I am requesting the Sign Schedule for the Crestwood School District/Cherry Hill Baptist Church/Administration Relocation and Addition project. After looking through the bid package I was unable to locate the schedule and would greatly appreciate your help. I look forward to hearing from you.

RFI Answer 8: Ehresman Architects does not provide a sign schedule as the specification clearly requires the following. Refer to Spec Section 10 4100 Signage, 2.02 Signage Applications, Letter B – Provide a sign for every doorway, whether it has a door or not, not including corridors, lobbies, and similar open areas. The final signage wording, numbering, and location will be confirmed during the submittal process.

RFI Question 9: Who is responsible to demo the existing material from the floor?
a) Ceramic Tile
b) Carpet
c) VCT

RFI Answer 9: The general contractor is required to remove any flooring that is not ACM.

RFI Question 10: In regards to the landscaping drawings, is the tree protection required at every tree, or just specific ones? If it is just specific trees, is there a note that indicates which trees are required to be protected?

RFI Answer 10: The tree protection was specified for proximity of construction. Refer to Landscape Drawing L.301, Note 8 that points at the fencing lines. Exact fencing locations will be confirmed in the pre-construction meeting.

RFI Question 11: Will students be in the building during construction?

RFI Answer 11: Yes, please refer to the phasing plan for timeframes in which students will occupy the building.

RFI Question 12: Who is responsible for the abatement?

RFI Answer 12: Abatement will be done by the owner's separate vendor

RFI Question 13: I am reaching out regarding the sheet waterproofing on the Cherry Hill Baptist Project. It looks to me like a performance spec. do I need to supply a substitution request form for this project? I have a couple customers interested in using Polyglass on this project. I have attached our submittal package (Polyglass USA Mapethene) Please let me know if you need anything else regarding this. Thanks!

RFI Answer 13: It is the intention that any sheet waterproofing used as part of the air barrier system be acceptable to the air barrier manufacturer as part of their complete system. The submitted product is acceptable as a sheet waterproofing membrane used independent of the air barrier system.

Crestwood School District Cherry Hill Baptist Church

Administration Relocation and Addition

Crestwood School District
1045 North Gulley Rd. Dearborn, MI, 48127
Contact Name: Penny Morgan, CFO
Contact Phone: (313) 278-2349

ARCHITECT:



EHRESMAN ARCHITECTS
803 W. Big Beaver Road, Suite 350, Troy, MI 48064 | 248.244.9710
ehresmanarchitects.com

LANDSCAPE ARCHITECT:

deak
PLANNING + DESIGN
143 CADYCENTRE #79
NORTHVILLE, MI 48168
248.444.7892

CIVIL ENGINEER:

SPALDING DeDECKER
Engineering and Surveying
Excellence Since 1954
990 South Main Street
Farmington Hills, MI 48331
Phone: (248) 464-4400
Fax: (248) 464-5654
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(313) 278-2349

STRUCTURAL ENGINEER:

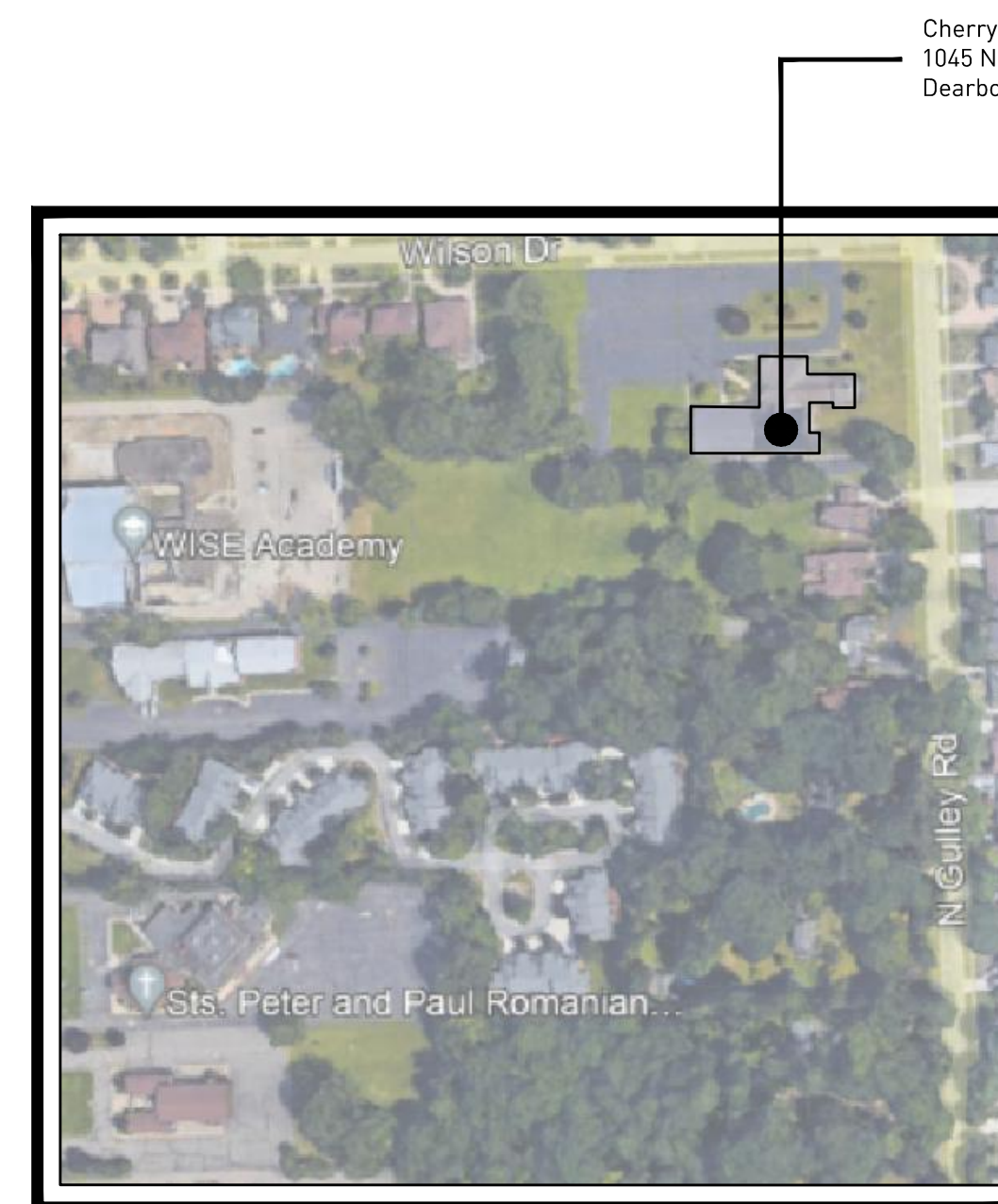
IMEG
35535 W 82 MILE SUITE 200 FARMINGTON HILLS, MI 48331
PH: 248.344.2800 FAX: 248.344.1950 www.imegcorp.com

MECH. / ELECT. ENGINEER:

Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48069-3276
Tel: 248-879-5666 Fax: 248-879-0007
www.pbanet.com

TECHNOLOGY CONSULTANT:

W & H
WRIGHT HUNTER



LOCATION PLAN

NOT TO SCALE

APPLICABLE CODES:

MICHIGAN REHABILITATION CODE FOR EXISTING BUILDINGS:	2015 EDITION
MICHIGAN BUILDING CODE:	2015 EDITION
MICHIGAN PLUMBING CODE:	2018 EDITION
MICHIGAN MECHANICAL CODE:	2015 EDITION
NATIONAL ELECTRIC CODE (WITH MICHIGAN PART 8 RULES):	2017 EDITION
MICHIGAN UNIFORM ENERGY CODE:	2015 EDITION
ASHRAE 90.1-2013:	
LIFE SAFETY CODE 101:	2012 EDITION
FEDERAL ADA LAW:	CURRENT ED.
ACCESSIBLE AND USABLE BUILDINGS & FACILITIES (ANSI A117.1):	2009 EDITION
LICENSING RULES FOR CHILD CARE CENTERS	2019 EDITION
REHABILITATION CODE	

USE GROUP:

EXISTING USE: A-3 RELIGIOUS & I-4 CHILDCARE
NEW USE: B BUSINESS & I-4 CHILDCARE

ZONING DISTRICT:

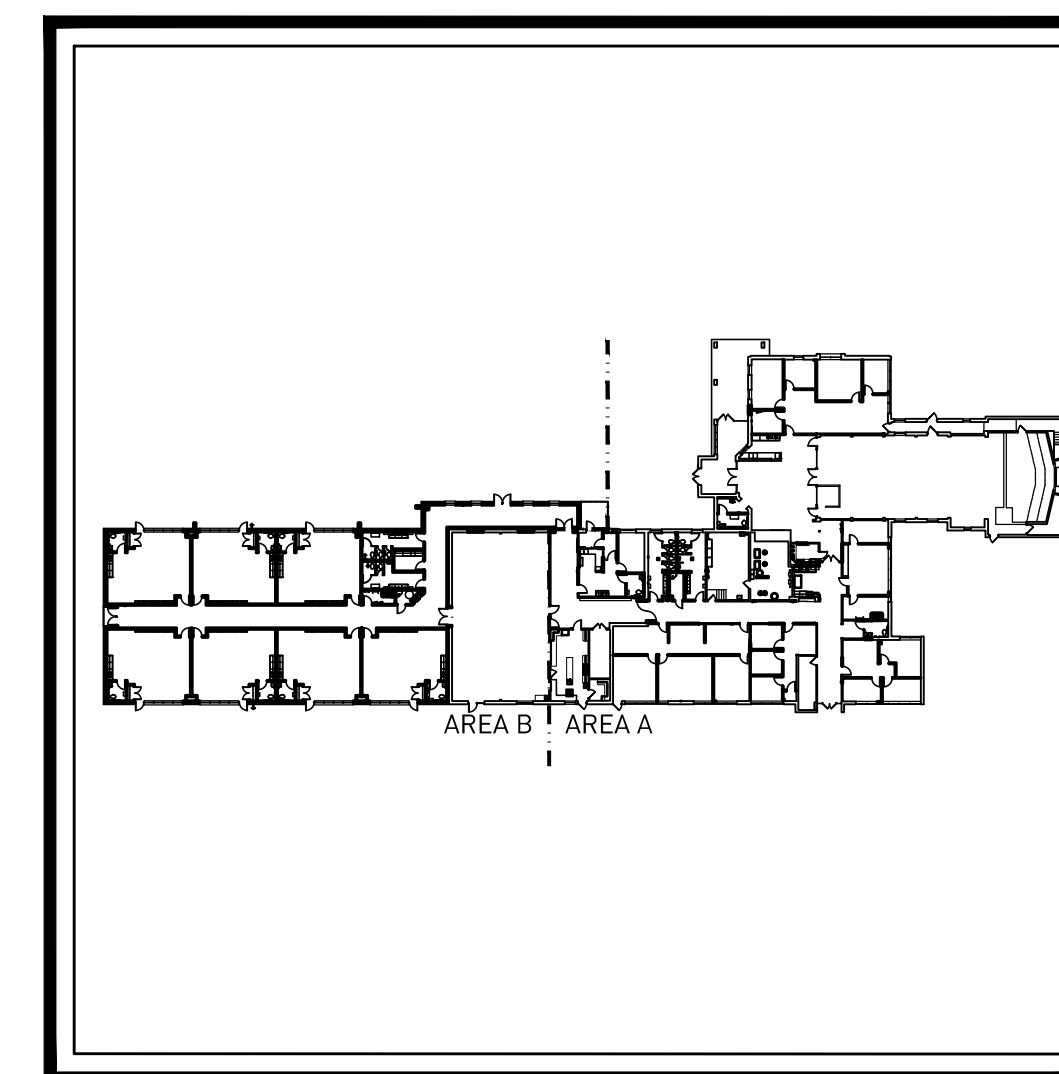
R-1 SINGLE FAMILY RESIDENTIAL

CONSTRUCTION TYPE:

III-B, NOT SPRINKLED

TOTAL FLOOR AREA:

EXISTING FLOOR AREA: 17,711 SF
ADDITION FLOOR AREA: 8,905 SF
TOTAL FLOOR AREA: 26,616 SF (GROSS FLOOR AREA)



BUILDING KEY PLAN

NOT TO SCALE

BUILDING HEIGHT:

EXISTING: ± 19'-3" TO MIDPOINT OF HIGHEST SLOPE
ADDITION: ± 15'-0" TO TOP OF PARAPET

DEFERRED SUBMITTALS:

PER SECTION 107.3.4.1, ANY REQUIRED SUBMITTALS WILL BE SUBMITTED TO THE AUTHORITY HAVING JURISDICTION BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ASSUMING THE DUTIES OF CONSTRUCTION SUPERVISION AT THE APPROPRIATE TIME.

DEFERRED SUBMITTALS:
1. FIRE ALARM SYSTEMS

LIST OF ALTERNATES:

ALTERNATE #1: BOARD ROOM IMPROVEMENTS
THE PORTION OF WORK TO BE ADDED TO THE BASE PROPOSAL INCLUDES THE FOLLOWING. ALL FINISHES, MECHANICAL, ELECTRICAL, AND TECHNOLOGY WORK AS INDICATED ON THE DRAWINGS TO IMPROVE THE BOARD ROOM. CONTRACTOR TO REFER TO DRAWINGS AND / OR SPECIFICATIONS FOR FURTHER INFORMATION.

LIST OF DRAWINGS

MECHANICAL DRAWINGS:

MD0.01	MECHANICAL STANDARDS AND DRAWING INDEX
MD2.11	PLUMBING DEMOLITION PLAN (PART A)
MD3.11	HVAC PIPING DEMOLITION PLAN (PART A)
MD3.12	HVAC PIPING DEMOLITION PLAN (PART B)
MD4.11	SHEET METAL DEMOLITION PLAN (PART A)
MD4.12	SHEET METAL DEMOLITION PLAN (PART B)
M2.01	UNDERGROUND PLUMBING PLAN (PART A)
M2.02	UNDERGROUND PLUMBING PLAN (PART B)
M2.11	PLUMBING PLAN (PART A)
M2.12	PLUMBING PLAN (PART B)
M3.11	HVAC PIPING PLAN (PART A)
M3.12	HVAC PIPING PLAN (PART B)
M4.11	REFRIGERANT PIPING PLAN (PART A)
M4.12	REFRIGERANT PIPING PLAN (PART B)
M5.11	SHEET METAL PLAN (PART A)
M5.11-ALT	SHEET METAL PLAN (PART A) - ALTERNATE
M5.12	SHEET METAL PLAN (PART B)
M6.01	MECHANICAL DETAILS
M6.02	MECHANICAL DETAILS
M6.03	MECHANICAL DETAILS
M7.01	MECHANICAL SCHEDULES
M7.02	MECHANICAL SCHEDULES
M7.03	MECHANICAL SCHEDULES
M7.04	MECHANICAL SCHEDULES
M7.05	MECHANICAL SCHEDULES
M8.01	TEMPERATURE CONTROL STANDARDS AND GENERAL NOTES
M8.02	TEMPERATURE CONTROLS
M8.03	TEMPERATURE CONTROLS
M8.04	TEMPERATURE CONTROLS
M8.05	TEMPERATURE CONTROLS

ELECTRICAL DRAWINGS:

E0.01	ELECTRICAL STANDARDS AND DRAWING INDEX
E0.02	ELECTRICAL STANDARD SCHEDULES
E0.03	ELECTRICAL SITE DEMOLITION PLAN
E0.03	ELECTRICAL SITE NEW WORK PLAN
E0.04	ELECTRICAL COMPOSITE PLAN
E0.11	ELECTRICAL DEMOLITION PLAN (PART A)
E0.12	ELECTRICAL DEMOLITION PLAN (PART B)
E2.11	LIGHTING PLAN (PART A)
E2.12	LIGHTING PLAN (PART B)
E3.11	POWER PLAN (PART A)
E3.12	POWER PLAN (PART B)
E5.01	ONE LINE DIAGRAM
E5.02	PANEL SCHEDULES
E5.03	PANEL SCHEDULES
E7.01	ELECTRICAL DETAILS AND DIAGRAMS
E7.02	ELECTRICAL DETAILS AND DIAGRAMS
E7.03	ELECTRICAL DETAILS AND DIAGRAMS
E7.04	ELECTRICAL DETAILS AND DIAGRAMS
E7.05	ELECTRICAL DETAILS AND DIAGRAMS

TECHNOLOGY DRAWINGS:

T2.10	STRUCTURED CABLING SYSTEM COMPOSITE FLOOR PLAN
T2.11	STRUCTURED CABLING SYSTEM FLOOR PLAN (PART A)
T2.12	STRUCTURED CABLING SYSTEM FLOOR PLAN (PART B)
T7.01	STRUCTURED CABLING SYSTEM DETAILS
TP2.10	PUBLIC ADDRESS SYSTEM COMPOSITE FLOOR PLAN
TP2.11	PUBLIC ADDRESS SYSTEM FLOOR PLAN (PART A)
TP2.12	PUBLIC ADDRESS SYSTEM FLOOR PLAN (PART B)
TY2.10	SECURITY SYSTEMS COMPOSITE FLOOR PLAN
TY2.11	SECURITY SYSTEMS FLOOR PLAN (PART A)
TY2.12	SECURITY SYSTEMS FLOOR PLAN (PART B)
TY7.01	SECURITY SYSTEMS DETAILS

LIST OF DRAWINGS

TTL	TITLE SHEET
A0.00	GENERAL INFORMATION
A0.01	CODE REVIEW PLAN
A0.05	COMPOSITE PHASING PLAN
A0.08	PROJECT IDENTIFICATION SIGN

SURVEY DRAWINGS:

C1 OF 2	TOPOGRAPHICAL SURVEY
C2 OF 2	TOPOGRAPHICAL SURVEY

CIVIL DRAWINGS:

C1.0	GENERAL PLAN
C2.1	DEMOLITION PLAN
C3.1	UTILITY PLAN
C4.1	PAVING AND LAYOUT PLAN
C5.1	GRADING PLAN
C6.1	SOIL EROSION AND SEDIMENTATION CONTROL PLAN

LANDSCAPE DRAWINGS:

L.101	SITE LANDSCAPE PLAN
L.102	SITE LANDSCAPE PLAN
L.301	SITE LANDSCAPE PLAN
L.302	SITE LANDSCAPE PLAN
L.601	SITE LANDSCAPE PLAN - SPECIFICATIONS
L.602	SITE LANDSCAPE PLAN - SPECIFICATIONS
L.603	SITE LANDSCAPE PLAN - SPECIFICATIONS

STRUCTURAL DRAWINGS:

S0.01	GENERAL STRUCTURAL NOTES
S0.02	GENERAL STRUCTURAL NOTES
S0.03	SPECIAL INSPECTION SCHEDULES
S2.10	FOUNDATION PLAN
S2.11	ROOF FRAMING PLAN
S3.00	TYPICAL CONCRETE SECTIONS
S4.00	TYPICAL MASONRY SECTIONS
S4.01	TYPICAL MASONRY SECTIONS
S6.00	TYPICAL STEEL DETAILS
S6.01	TYPICAL STEEL DETAILS
S7.00	SECTIONS AND DETAILS

ARCHITECTURAL DRAWINGS:

A0.11	ARCHITECTURAL SITE PLAN
A0.12	DUMPSTER ENCLOSURE PLAN & DETAILS
A1.10	REMOVALS COMPOSITE PLAN
A1.11	REMOVALS FLOOR PLAN (AREA A)
A1.12	REMOVALS FLOOR PLAN (AREA B)
A1.13	REMOVALS CEILING PLAN (AREA A)
A1.14	REMOVALS CEILING PLAN (AREA B)
A1.15	REMOVALS ELEVATIONS
A1.16	REMOVALS ELEVATIONS

A2.10	COMPOSITE FLOOR PLAN
A2.11	FLOOR PLAN (AREA A)
A2.12	FLOOR PLAN (AREA B)
A2.13	DIMENSION PLAN (AREA A)
A2.14	DIMENSION PLAN (AREA B)
A2.50	COMPOSITE ROOF PLAN
A2.60	DOOR SCHEDULE
A2.61	DOOR SCHEDULE
A2.80	CABINET SCHEDULE/DETAILS
A3.00	EXTERIOR ELEVATIONS
A3.01	EXTERIOR ELEVATIONS
A3.02	EXTERIOR ELEVATIONS
A3.03	EXTERIOR ELEVATIONS

A3.50	BUILDING SECTIONS
A3.51	BUILDING SECTIONS
A3.52	BUILDING SECTIONS
A4.00	ENLARGED FLOOR PLANS (RESTROOMS)
A4.01	ENLARGED FLOOR PLANS
A5.00	INTERIOR ELEVATIONS
A5.01	INTERIOR ELEVATIONS
A5.02	INTERIOR ELEVATIONS
A5.03	INTERIOR ELEVATIONS

A6.10	COMPOSITE RCP
A8.10	COMPOSITE FINISH PLAN
A8.11	FINISH PLAN (AREA A)
A8.12	FINISH PLAN (AREA B)
A8.50	ROOM FINISH SCHEDULES
A8.51	MATERIAL SCHEDULE
A8.52	WALL AND FLOOR TILE DETAILS
A9.00	EXTERIOR WALL SECTIONS
A9.01	EXTERIOR WALL SECTIONS
A9.02	EXTERIOR WALL SECTIONS
A9.03	EXTERIOR WALL SECTIONS

A9.10	EXTERIOR DETAILS
A9.11	EXTERIOR DETAILS
A9.12	EXTERIOR DETAILS
A9.13	EXTERIOR DETAILS
A9.14	STANDARD EXTERIOR DETAILS

A9.50	INTERIOR WALL SECTIONS
A9.51	INTERIOR WALL SECTIONS
A9.52	INTERIOR WALL SECTIONS
A9.55	PORTAL WALL SECTIONS

A9.60	INTERIOR DETAILS
A9.61	INTERIOR DETAILS
A9.62	INTERIOR DETAILS
A9.65	PORTAL A DETAILS
A9.66	PORTAL B DETAILS

Addendum #2: 15 August 2023
Bidding and Permits: 31 July 2023

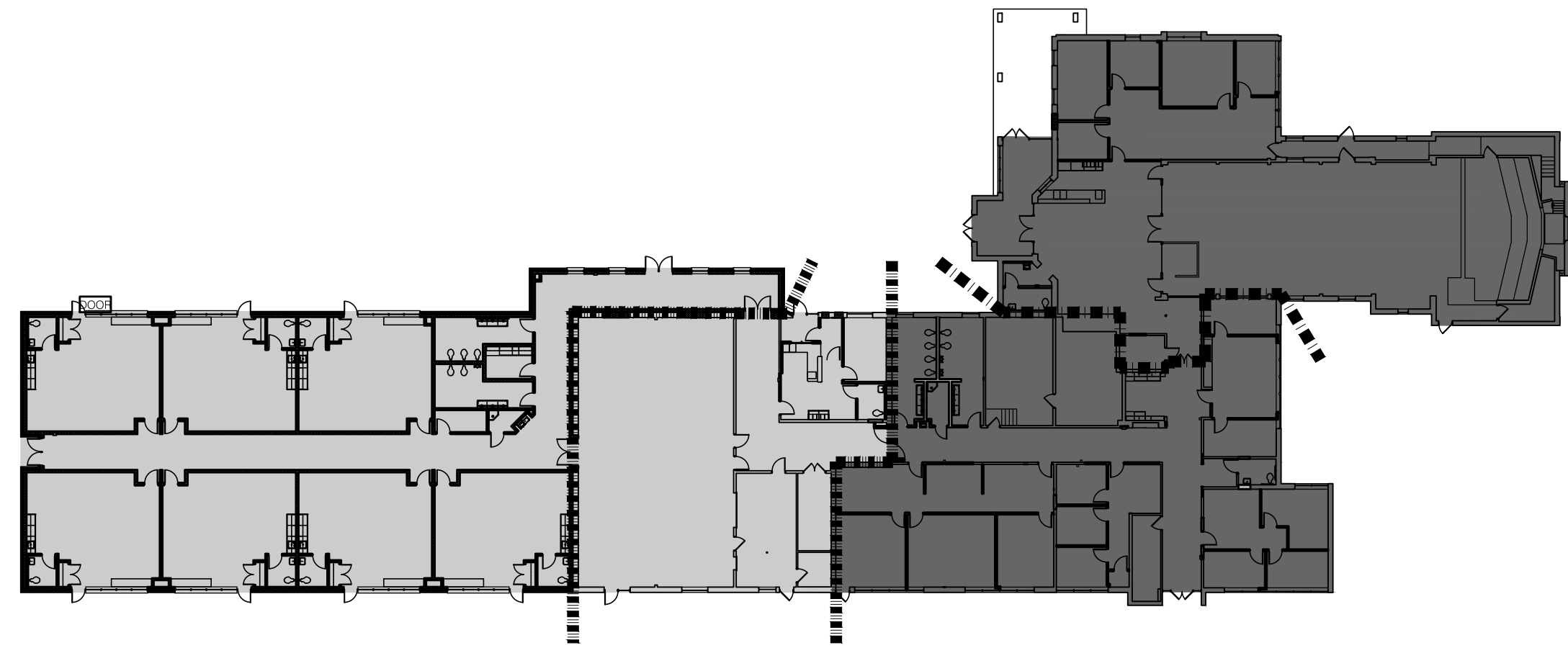
Title Sheet

EHRESMAN ARCHITECTS
ehresmanarchitects.com

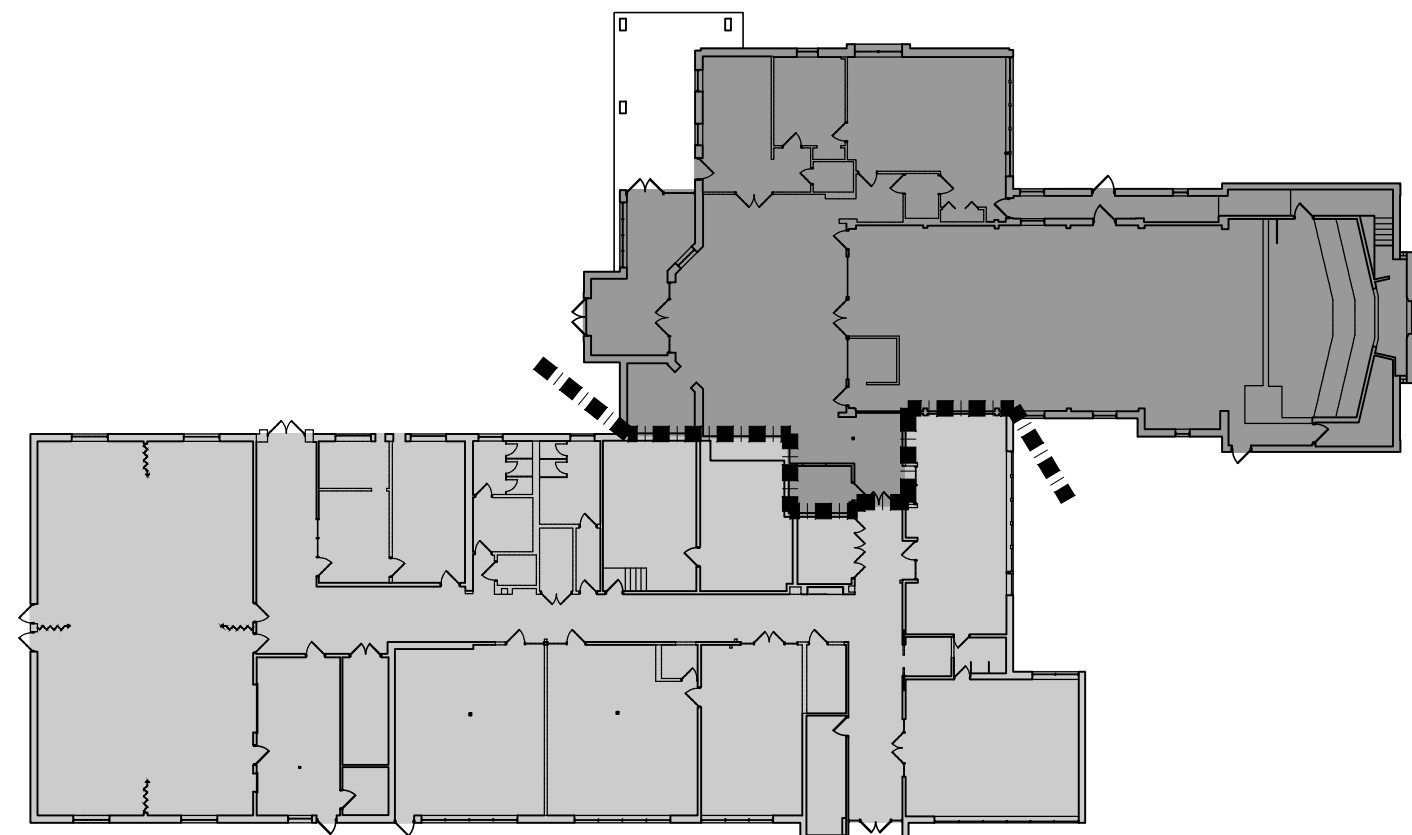
Crestwood School District
Cherry Hill Baptist Church
Administration Relocation and Addition

Project No. 3221

TTL



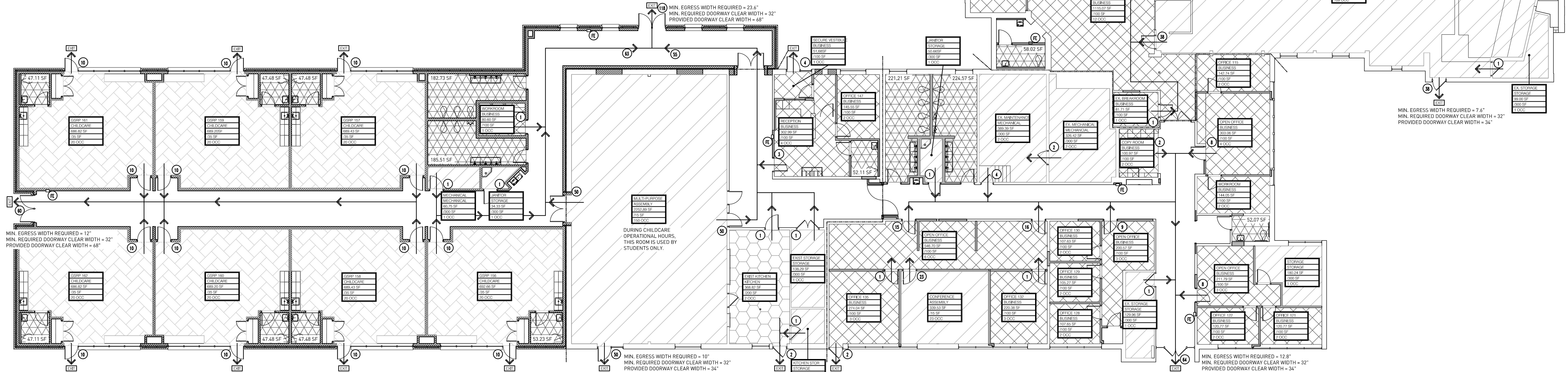
3 New Occupancy Plan
Scale: 1/32"=1'-0"



2 Existing Occupancy Plan
Scale: 1/32"=1'-0"

Occupancy Legend:

- LINE OF EXISTING FIRE SEPARATION
- LINE OF FIRE SEPARATION (2 HOUR)
- A-3 - RELIGIOUS
- B - BUSINESS
- I-4 - CHILDCARE



1 Composite Code Plan
Scale: 3/32"=1'-0"

OCCUPANT AREAS LEGEND:

ASSEMBLY:	
BUSINESS:	
CIRCULATION/CLOSETS/SHAFTS: (NO OCCUPANT LOAD)	
CHILDCARE:	
KITCHEN:	
RESTROOM: (NO OCCUPANT LOAD)	
STORAGE/MECHANICAL:	

MINIMUM PLUMBING FIXTURES:
PER TABLE 403.1, OF THE 2018 MICHIGAN PLUMBING CODE, THE MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES FOR BUSINESS OCCUPANCY:

- WATER CLOSETS: 1 PER 25 FOR THE FIRST 50, AND 1 PER 50 FOR THE REMAINDER EXCEEDING 50
- CALCULATION = 244 / 2 = 123 OCCUPANTS PER GENDER
- CONCLUSION: 3 MALE WATER CLOSET REQUIRED, 3 FEMALE WATER CLOSETS REQUIRED
- PROVIDED: 2 MALE WATER CLOSETS AND 2 URINALS, 4 FEMALE WATER CLOSETS, 2 UNISEX WATER CLOSETS
- LAVATORIES: 1 PER 40 FOR THE FIRST 80, AND 1 PER 80 FOR THE REMAINDER EXCEEDING 80
- CALCULATION = 246 / 2 = 123 OCCUPANTS PER GENDER
- CONCLUSION: 3 MALE LAVATORIES REQUIRED, 3 FEMALE LAVATORIES REQUIRED
- PROVIDED: 3 MALE LAVATORIES, 3 FEMALE LAVATORIES, 2 UNISEX LAVATORIES
- DRINKING FOUNTAINS: 1 PER 100
- CALCULATION = 246 / 100 = 3
- CONCLUSION: 3 DRINKING FOUNTAINS REQUIRED
- PROVIDED: 2 DRINKING FOUNTAINS EACH WITH BOTTLE FILLERS
- 1 SERVICE SINK REQUIRED
- PROVIDED: 2 SERVICE SINKS

PER TABLE 403.1, OF THE 2018 MICHIGAN PLUMBING CODE, THE MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES FOR I-4 CHILDCARE OCCUPANCY:

- WATER CLOSETS: 1 PER 15 MALE / FEMALE
- CALCULATION = 147 / 2 = 74 OCCUPANTS PER GENDER
- CONCLUSION: 5 MALE WATER CLOSET REQUIRED, 5 FEMALE WATER CLOSETS REQUIRED
- PROVIDED: 3 MALE WATER CLOSETS AND 1 URINAL, 3 FEMALE WATER CLOSETS, 8 UNISEX WATER CLOSETS
- LAVATORIES: 1 PER 15 MALE / FEMALE
- CALCULATION = 147 / 2 = 74 OCCUPANTS PER GENDER
- CONCLUSION: 5 MALE LAVATORIES REQUIRED, 5 FEMALE LAVATORIES REQUIRED
- PROVIDED: 3 MALE LAVATORIES, 3 FEMALE LAVATORIES, 8 UNISEX LAVATORIES
- DRINKING FOUNTAINS: 1 PER 100
- CALCULATION = 147 / 100 = 2
- CONCLUSION: 2 DRINKING FOUNTAINS REQUIRED
- PROVIDED: 2 DRINKING FOUNTAINS WITH 1 BOTTLE FILLER
- 1 SERVICE SINK REQUIRED
- PROVIDED: 1 SERVICE SINK

EXIT REQUIREMENTS:
EGRESS WIDTH: PER SECTION 1006.3.2, THE CAPACITY, IN INCHES, OF MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY SUCH COMPONENT BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.2 INCH PER OCCUPANT. CALCULATION: 393 x 0.2 = 78.6" OF EGRESS WIDTH REQUIRED. TOTAL PROVIDED: 776". COMMENT: EGRESS WIDTH PROVIDED EXCEEDS EGRESS WIDTH REQUIRED BY 697.4".

NUMBER OF EXITS: PER SECTION 1006.2.1, TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE THE DESIGN OCCUPANT LOAD EXCEEDS 50 PERSONS, I-4 = 10 PERSONS. CONCLUSION: QUANTITY OF EXITS PROVIDED (17) EXCEEDS THE REQUIREMENT.

CORRIDOR WIDTH: PER TABLE 1020.2, MINIMUM CORRIDOR WIDTH = 44"

CORRIDOR FIRE RESISTANCE: PER TABLE 1020.1 WITHOUT SPRINKLER SYSTEM, B = 1-HOUR, I-4 = NOT PERMITTED (SPRINKLER SYSTEM NOT REQUIRED PER 903.2.6, EXCEPTION 2). COMMENT: 1-HOUR CORRIDOR FIRE RESISTANCE PROVIDED.

WALL MARKINGS: PER SECTION 703.7 MARKING AND IDENTIFICATION OF THE 2015 MICHIGAN BUILDING CODE, WHERE THERE IS AN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACE, FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING IN THE CONCEALED SPACE, SUCH IDENTIFICATION SHALL:

1. BE LOCATED WITHIN 15 FEET (4572 MM) OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET (9144 MM) MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION,
2. INCLUDE LETTERING NOT LESS THAN 3 INCHES (76 MM) IN HEIGHT WITH A MINIMUM 7/8"-INCH (19.5 MM) STROKE IN A CONTRASTING COLOR INCORPORATING THE SUGGESTED WORDING, "FIRE AND/OR SMOKE BARRIER--PROTECT ALL OPENINGS," OR OTHER WORDING.

MAXIMUM EXIT ACCESS TRAVEL DISTANCE:
BUSINESS - PER TABLE 1017.2 OF THE 2015 MICHIGAN BUILDING CODE, THE MAXIMUM EXIT ACCESS TRAVEL DISTANCE IN OCCUPANCY B WITHOUT AN AUTOMATIC SPRINKLER SYSTEM IS 200 FEET. COMMENT: NO LOCATION IS MORE THAN 200' FROM ANY EXIT.

CHILDCARE - PER SECTION 400.8525 OF THE LICENSING RULES FOR CHILDCARE CENTERS, THE MAXIMUM TRAVEL DISTANCE FOR PRESCHOOLERS AND SCHOOL-AGERS SHALL BE 100 FEET OR LESS FROM THE DOOR OF THE OCCUPIED ROOM TO THE EXIT. COMMENT: NO LOCATION IS MORE THAN 100' FROM ANY EXIT.

COMMON PATH OF TRAVEL: PER TABLE 1006.2.1 OF THE 2015 MICHIGAN BUILDING CODE, THE COMMON PATH OF EGRESS TRAVEL DISTANCE IN OCCUPANCY B WITHOUT A SPRINKLER SYSTEM IS 75 FEET. COMMENT: NO LOCATION EXCEEDS THE 75' COMMON PATH OF EGRESS TRAVEL.

CODE ANALYSIS:

SITE ADDRESS: 1045 NORTH GULLEY ROAD, DEARBORN, MI, 48127

CONSTRUCTION TYPE: III-B, NOT SPRINKLE, SINGLE STORY

BUILDING AREA:
EXISTING FIRE AREA 1: 6,965 SF
EXISTING FIRE AREA 2: 10,746 SF
ADDITION FIRE AREA 3: 8,905 SF
TOTAL FLOOR AREA: 26,616 SF (GROSS FLOOR AREA)

BUILDING HEIGHT:
ALLOWABLE: A-3/4, III-B, NOT SPRINKLED, 55'-0"
EXISTING HEIGHT: 19'-3" TO THE MIDPOINT OF THE HIGHEST SLOPE.
ADDITION HEIGHT: 15'-0" TO TOP OF PARAPET

CHANGE OF OCCUPANCY:
EXISTING OCCUPANCY GROUP: A-3 RELIGIOUS & I-4 CHILDCARE
NEW OCCUPANCY GROUP: B BUSINESS & I-4 CHILDCARE

MICHIGAN REHABILITATION CODE SECTION 1001.2 REQUIRES COMPLIANCE WITH MBC CHAPTER 9, PER SECTION 903.2, GROUP B IS NOT REQUIRED TO BE SPRINKLED. PER SECTION 903.2.6, EXCEPTION 2, GROUP I-4 IS NOT REQUIRED TO BE SPRINKLED AS THE CLASSROOMS ARE ON THE LEVEL OF EXIT DISCHARGE AND HAVE EXTERIOR EXIT DOORS. PER TABLE 906.3.2, PORTABLE FIRE EXTINGUISHERS WILL BE PROVIDED WITHIN 75' OF TRAVEL DISTANCE.

PER SECTION 907.2.6 A MANUAL FIRE ALARM SYSTEM WILL BE PROVIDED. PER SECTION 107.3.4.1, ANY REQUIRED FIRE ALARM SUBMITTALS WILL BE SUBMITTED TO THE AUTHORITY HAVING JURISDICTION BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ASSUMING THE DUTIES OF CONSTRUCTION SUPERVISION AT THE APPROPRIATE TIME.

MICHIGAN REHABILITATION CODE SECTION 1012.4, MEANS OF EGRESS CHANGE OF USE TO EQUAL OR LOWER HAZARD - B=4, I-4=2.

MICHIGAN REHABILITATION CODE SECTION 1012.5, HEIGHTS AND AREAS CHANGE OF USE TO EQUAL OR LOWER HAZARD - B=4, I-4=2.

OCCUPANCY SEPARATION:
PER TABLE 508.4, BUSINESS TO I-4, NOT SPRINKLED, MUST HAVE A 2-HOUR SEPARATION.

TOTAL OCCUPANT LOAD:
PER TABLE 1006.1.2, THE MAXIMUM FLOOR AREA ALLOWANCE PER OCCUPANT SHALL BE AS FOLLOWS:

1. BUSINESS: 4981 SF / 100 GROSS = 50 OCCUPANTS
2. STORAGE: 1715 SF / 300 GROSS = 6 OCCUPANTS
3. UNCONCENTRATED ASSEMBLY: 2825 SF / 15 NET = 188 OCCUPANTS
4. CHILDCARE: 5111 SF / 35 NET = 147 OCCUPANTS
5. KITCHEN: 371 SF / 200 GROSS = 2 OCCUPANTS

TOTAL OCCUPANTS = 393 OCCUPANTS

NOTE: MULTI-PURPOSE ROOM IS INTENDED TO BE USED BY THE OCCUPANTS OF THE CHILDCARE FACILITY ONLY DURING OPERATIONAL HOURS.



Code Review Plan

EHRESMAN ARCHITECTS
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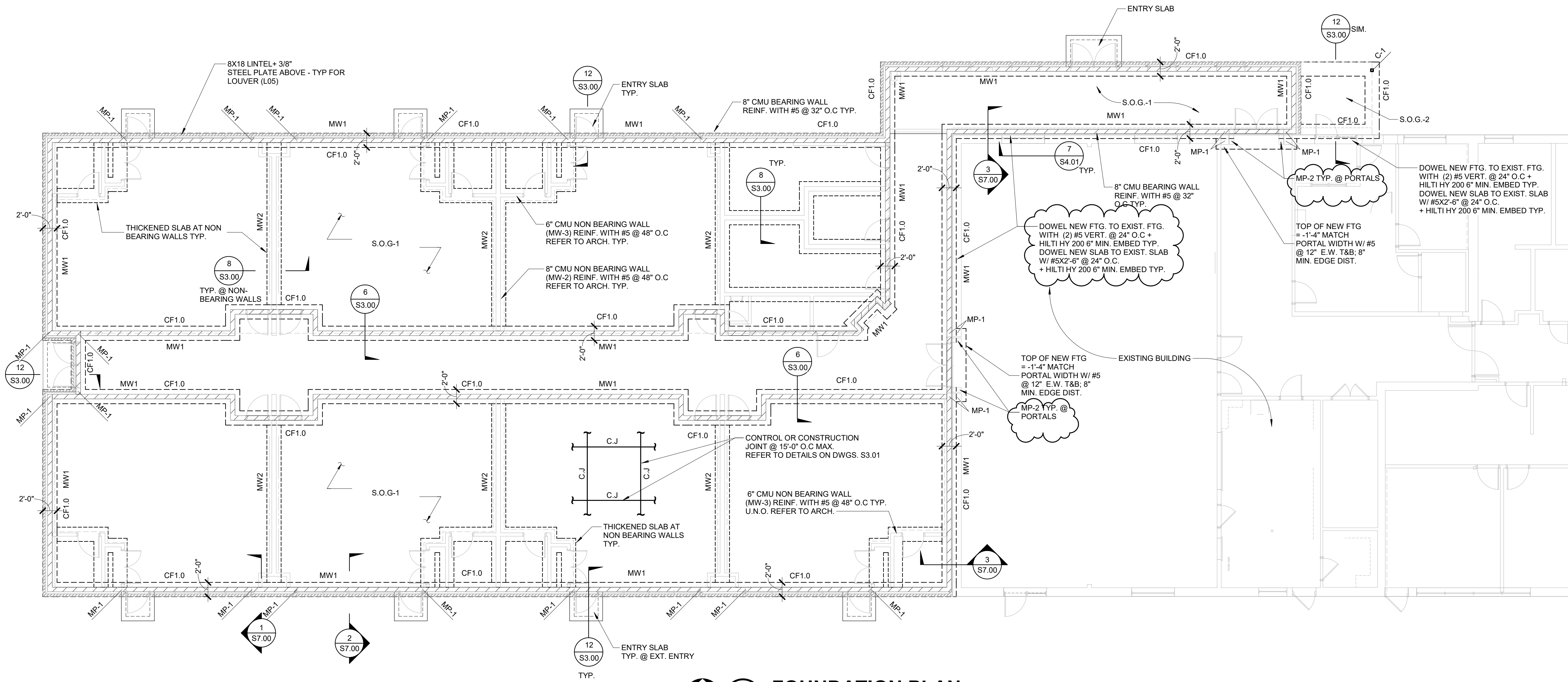
Crestwood School District
Cherry Hill Baptist Church
Administration Relocation and Addition

Project No. 3221

A0.01

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Addendum #2: 14 August 2023



1 FOUNDATION PLAN
1/8" = 1'-0"

FOUNDATION NOTES:

- REFERENCE FINISHED FLOOR ELEVATION = 100'-0"
- TOP OF FOOTING ELEVATION = -1'-4" UNLESS NOTED THUS [XX'-XX"]
- FOOTINGS ARE DESIGNED TO BEAR ON FIRM UNDISTURBED SOIL OR CONTROLLED COMPACTED FILL WITH A MINIMUM NET ALLOWABLE BEARING CAPACITY OF 3,000 PSF. REFER TO GEOTECH. REPORT FOR SITE PREPARATION, OVEREXCAVATION OF EXIST. FILL REQ., AND REPLACEMENT WITH ENGINEERED FILL.
- CONTRACTOR SHALL COORDINATE ALL MASONRY DOWEL SIZES AND SPACING TO BE CAST INTO CONCRETE WITH MASONRY REINFORCING SHOP DRAWINGS.
- REFER TO CIVIL/SITE DRAWINGS FOR PROPOSED GRADE ELEVATIONS AROUND THE PERIMETER OF THE BUILDING.
- REFER TO MEP DRAWINGS FOR ALL PIPE AND CONDUIT SIZES AND LOCATIONS PASSING THROUGH AND/OR UNDER FOUNDATIONS.
- VERIFY DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.

DESIGNATIONS:

- CF1.0: 2'-0" WIDE x 3'-6" (MIN.) DEPTH WALL FOOTING REINF. W/ (3) #5 CONT. TOP & BOTT.
- C-1: HSS4X4X1/4 W/ 12"x12"x3/4 BASE PLATE AND (4) 3/4" ANCHORS 8" EMBED.; 5" MIN. PROJECTION
- MW1: 8" CMU WALL WITH #5 @ 32" O.C. PROVIDE BOND BEAMS WITH (2)#5 HORIZONTAL BARS AT TOP OF WALL, BEAM/JOIST BEARING ELEV. AND BOTT. OF WINDOW OPENING, PROVIDE (3) #5 VERTICAL BARS, ONE PER CELL, AT CORNERS AND (2) #5 VERTICAL BARS, ONE PER CELL, AT OPENINGS IN WALLS, ENDS OF WALLS AND BELOW BEAM/JOIST POCKETS; PROVIDE 3/16" LADDER TYPE HORIZ. REINF. (HOHMANN & BARNARD INC. OR EQUIVALENT) AT 16" O.C. ABOVE GRADE AND 8" O.C. BELOW GRADE (TYP.)
- MW2: 8" CMU WALL WITH #5 @ 48" O.C. PROVIDE BOND BEAMS WITH (2)#5 HORIZONTAL BARS AT TOP OF WALL AND BOTT. OF WINDOW OPENING, PROVIDE (3) #5 VERTICAL BARS, ONE PER CELL, AT CORNERS AND (2) #5 VERTICAL BARS, ONE PER CELL, AT OPENINGS IN WALLS, AND ENDS OF WALLS (TYP. FOR 8" NON-BEARING CMU WALLS; REFER TO ARCH.) PROVIDE 9 GA. LADDER TYPE HORIZ. REINF. (HOHMANN & BARNARD INC. OR EQUIVALENT) AT 16" O.C. ABOVE GRADE AND 8" O.C. BELOW GRADE (TYP.)
- MW3: 6" CMU WALL WITH #5 @ 48" O.C. PROVIDE BOND BEAMS WITH (2)#5 HORIZONTAL BARS AT TOP OF WALL, PROVIDE (3) #5 VERTICAL BARS, ONE PER CELL, AT CORNERS AND (2) #5 VERTICAL BARS, ONE PER CELL, AT OPENINGS IN WALLS, AND ENDS OF WALLS (TYP. FOR 6" NON-BEARING CMU WALLS; REFER TO ARCH.) PROVIDE 9 GA. LADDER TYPE HORIZ. REINF. (HOHMANN & BARNARD INC. OR EQUIVALENT) AT 16" O.C. ABOVE GRADE AND 8" O.C. BELOW GRADE (TYP.)
- MP-1: 8"x16" MASONRY PIER REINF. W/ (4) #5 FULL HEIGHT VERTICAL & #3 TIES @ 16" O.C.
- MP-2: 8"x24" MASONRY PIER REINF. W/ (6) #5 FULL HEIGHT VERTICAL & #3 TIES @ 8" O.C.
- S.O.G-1: 5" SLAB ON GRADE WITH 6x6-W2.9xW2.9 W.W.F. PLACED @ 2" FROM TOP OF SLAB ON VAPOR RETARDER ON MIN. 4" COMPACTED GRANULAR FILL ON PREPARED SUB-GRADE (TYP. UNO)
- S.O.G-2: 6" SLAB ON GRADE WITH #5 @ 12" O.C. EACH WAY TOP AND BOTTOM, PLACED @ 2" FROM TOP AND BOTTOM OF SLAB ON VAPOR RETARDER ON MIN. 4" COMPACTED GRANULAR FILL ON PREPARED SUB-GRADE (TYP. UNO)

REFERENCE DRAWINGS:

- S0.01 & S0.02 GENERAL STRUCTURAL NOTES
- S0.03 SPECIAL INSPECTION SCHEDULES
- S3.00 TYPICAL CONCRETE DETAILS
- S4.00 TYPICAL MASONRY DETAILS
- S4.01 TYPICAL MASONRY DETAILS
- S6.00 TYPICAL STEEL DETAILS
- S7.00 SECTIONS & DETAILS
- S7.01 SECTIONS & DETAILS

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REF. SCALE IN INCHES PROJECT #2200942.00

Addendum #2	14 August 2023
Bidding and Permits	31 July 2023
Owner Review	17 July 2023
Design Development	08 May 2023

FOUNDATION PLAN

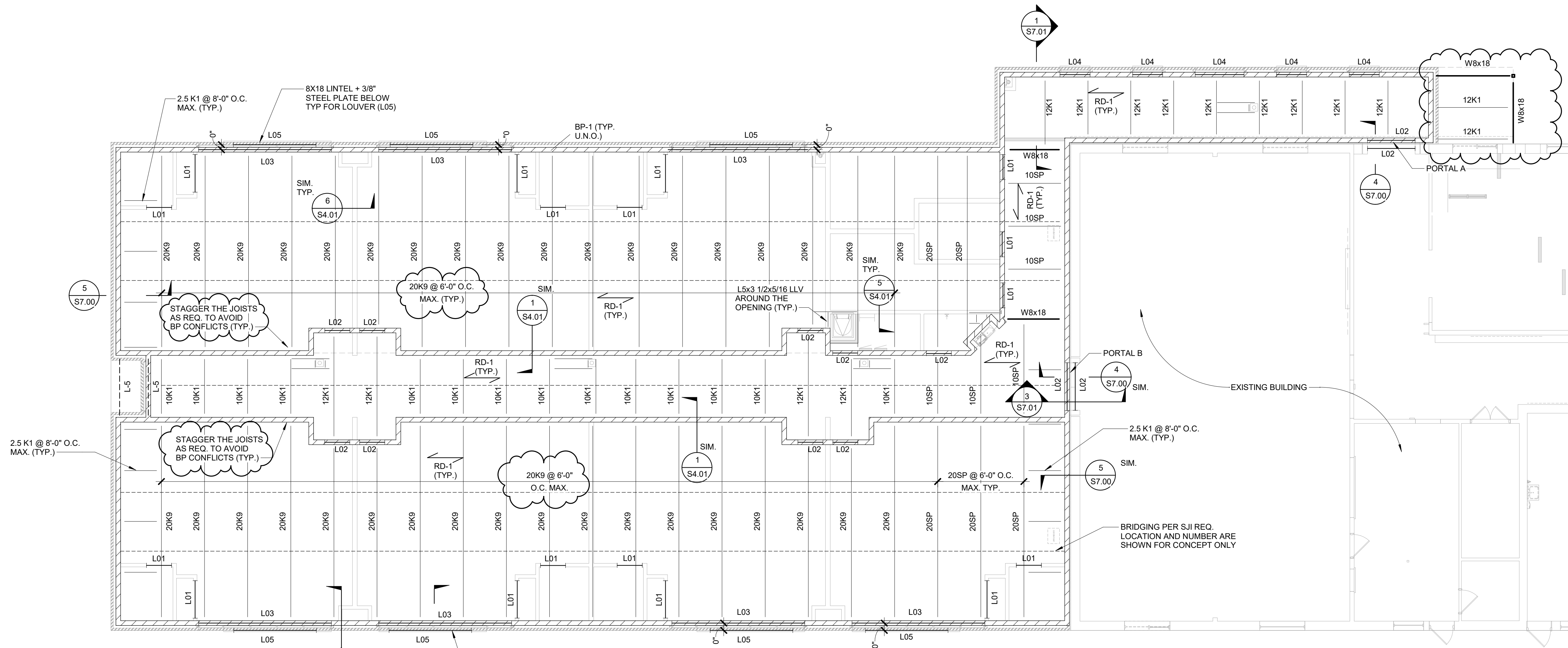


Crestwood School District
Cherry Hill Baptist Church
Administration Relocation and Addition

Project No. 4321

S2.10

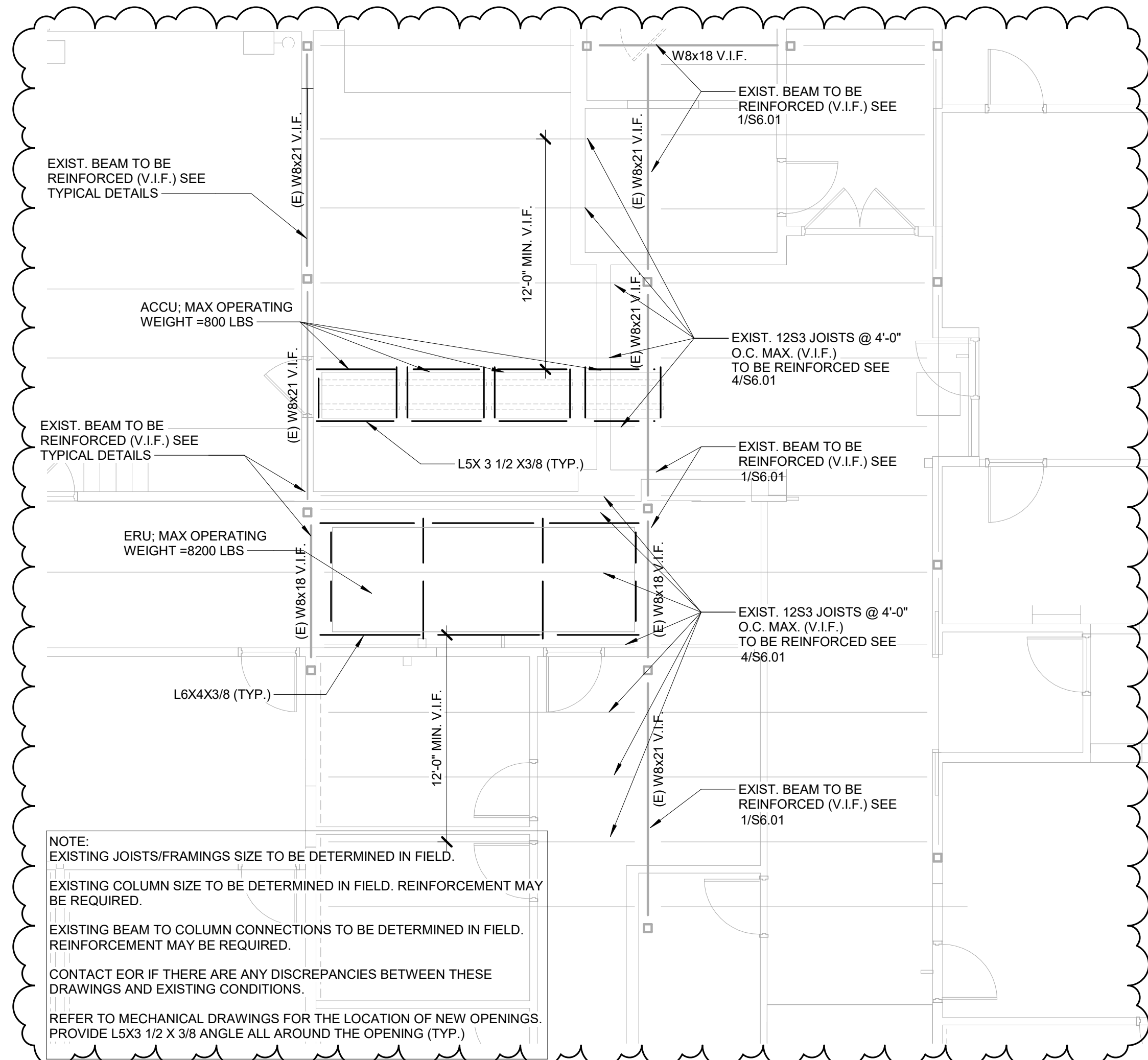




1 ROOF FRAMING PLAN

1/8" = 1'-0"

- ROOF FRAMING NOTES:**
- TOP OF STEEL REFERENCE ELEVATION (DECK BEARING ELEVATION) = X'-X" UNLESS NOTED THUS [X'-XX"] OR REFER TO PLAN.
 - DESIGNATIONS:**
RD-1: 1 1/2"-20 GAGE MIN. TYPE "B" WIDE RIB GALVANIZED STEEL ROOF DECK (MIN. 3 SPAN CONT.) REFER TO DRAWING S6.00 FOR ATTACHMENT DETAILS. 6'-0" MAX. SPAN. MINIMUM DECK SECTION PROPERTIES FOR DECK BASED ON F_y = 50 KSI (VULCRAFT):
DESIGN THICKNESS = 0.0358" (UNCOATED)
I (POSITIVE) = 0.201 IN⁴/FT.
I (NEGATIVE) = 0.222 IN⁴/FT.
S (POSITIVE) = 0.234 IN³/FT.
S (NEGATIVE) = 0.247 IN³/FT.
L-x: LINTEL, REFER TO SCHEDULE
BP-1: BEARING PLATE, 7x7x3/8" WITH (2) 1/2" DIA. x 6" LONG HEADED STUDS (TYP. FOR ALL JOISTS/BEAMS U.N.O.)
 - ALL JOIST SEATS FOR K-SERIES JOISTS SHALL BE 2 1/2" DEEP, UNLESS NOTED OTHERWISE.
 - ALL JOISTS SHALL BE DESIGNED FOR A NET UPLIFT OF 12 PSF (ASD), IN ADDITION TO OTHER LOAD CASES AND ANY OTHER NON-UNIFORM LOADS INDICATED ON THE DRAWINGS. ALL BRIDGING AND UPLIFT BRIDGING SHALL BE PER SJI REQUIREMENTS.
 - COORDINATE SIZES AND LOCATION OF ALL ROOF OPENINGS WITH ARCHITECTURAL AND MEP DRAWINGS. PROVIDE L5x3 1/2 X 5/16 LLV ALL SIDES OF SUPPORTING EDGE. REFER TO TYPICAL DETAILS FOR JOIST REINF. AT CONCENTRATED LOAD (TYP.)
 - FRAMING FOR ALL ROOF DRAINS AND OVERFLOW DRAINS SHALL BE L5x3 1/2x5/16 LLV TYPICAL. ALL SIDES OF SUPPORTED EDGE, UNLESS NOTED OTHERWISE. REFER TO TYPICAL DETAILS FOR JOIST REINF. AT CONCENTRATED LOAD (TYP.)
 - VERIFY DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 - REFERENCE DRAWINGS:**
S0.01 & S0.02 GENERAL STRUCTURAL NOTES
S0.03 SPECIAL INSPECTION SCHEDULES
S3.00 TYPICAL CONCRETE DETAILS
S4.00 TYPICAL MASONRY DETAILS
S4.01 TYPICAL MASONRY DETAILS
S6.00 TYPICAL STEEL DETAILS
S7.00 SECTIONS & DETAILS
S7.01 SECTIONS & DETAILS



3 PARTIAL ROOF PLAN

3/16" = 1'-0"

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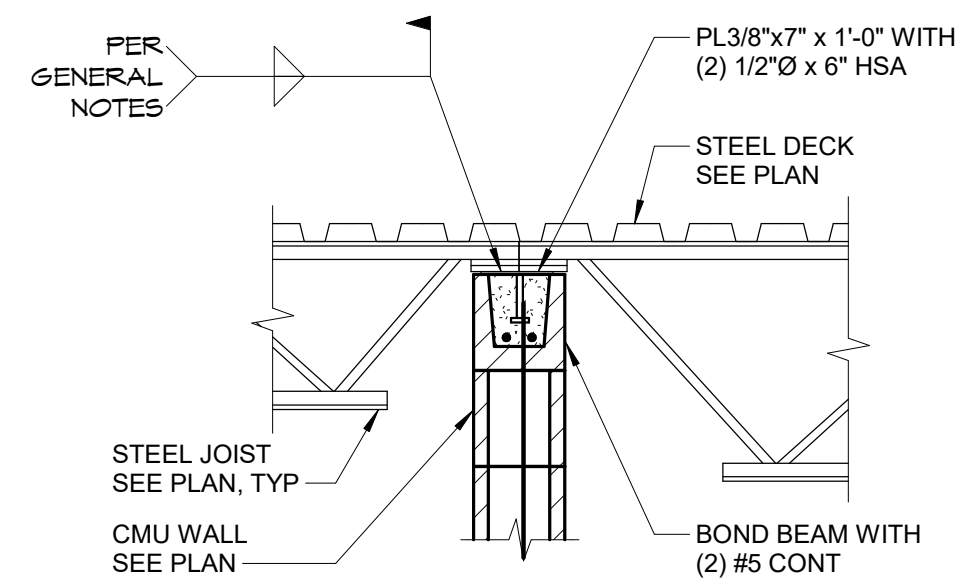
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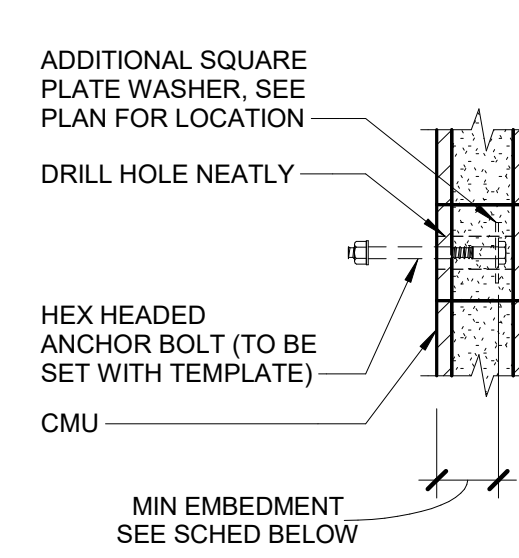
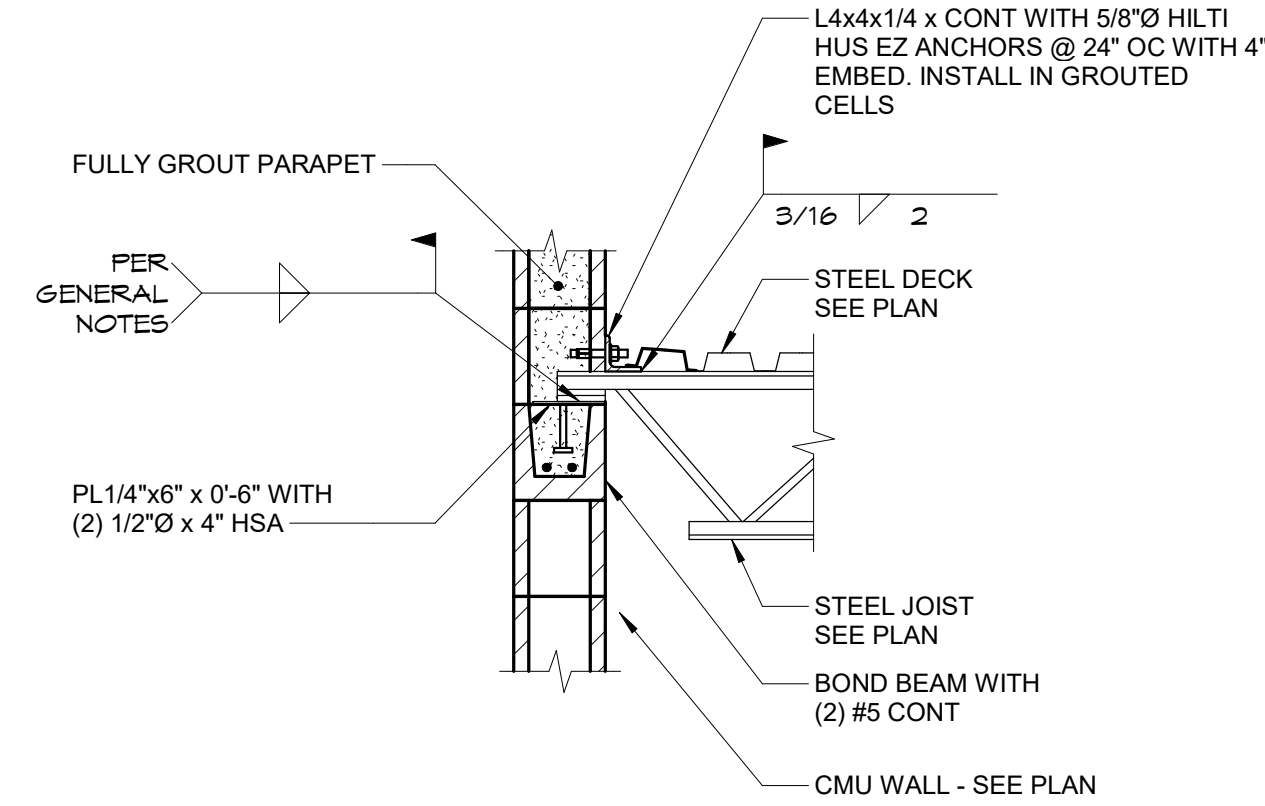
ROOF FRAMING PLAN



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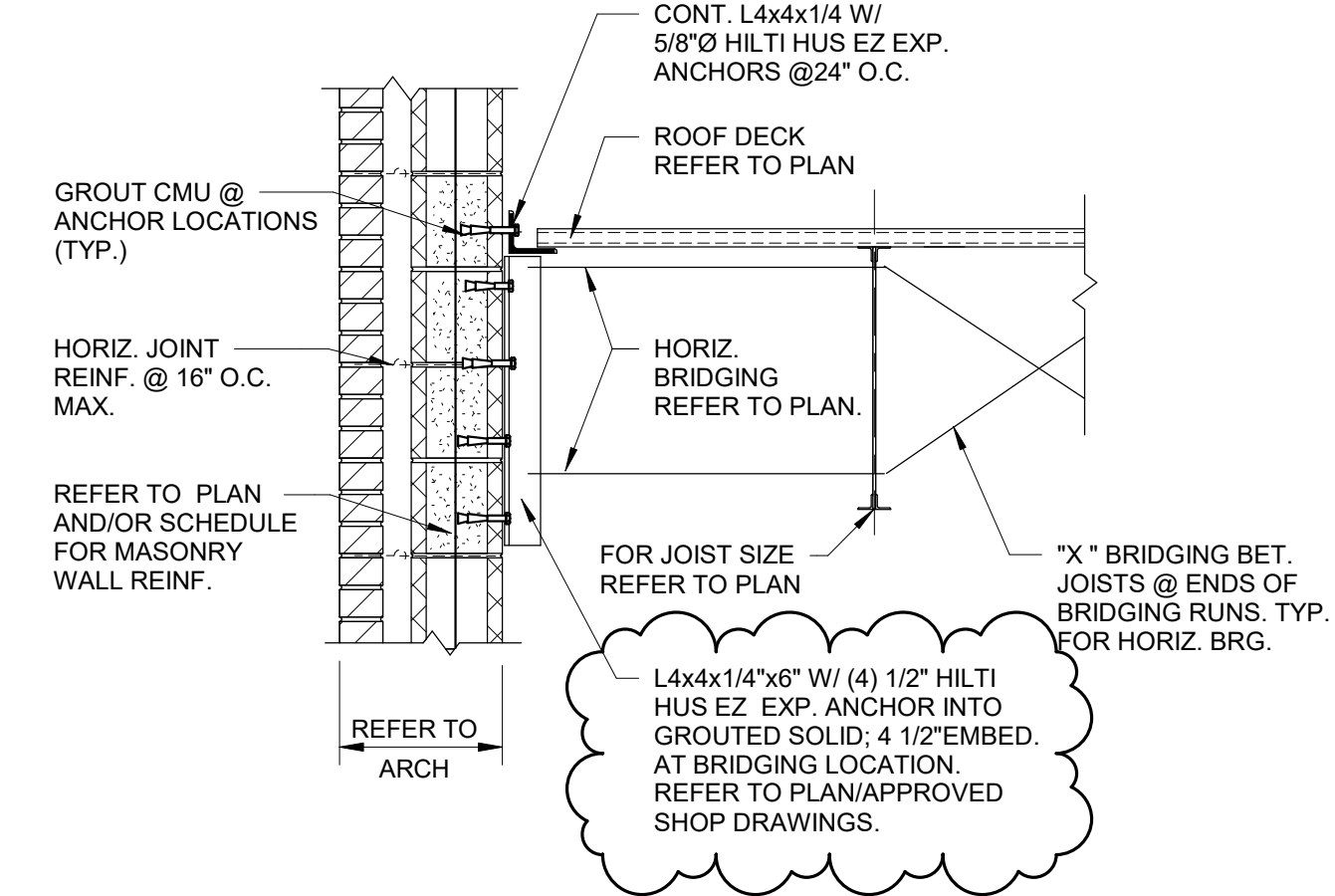


NOTE:
1. STAGGER JOISTS AS REQUIRED TO PROVIDE MIN BEARING PER GENERAL NOTES.



BOLT SIZE	BOLT EMBEDMENT		
	12" CMU	8" CMU	VERT
1/2"	9"	5 1/4"	8"
5/8"	9"	5 1/4"	9"
3/4"	9"	-	10"
7/8"	9"	-	11"
1"	9"	-	12"

NOTE:
1. BOLT SPACING SHALL BE 8 BOLT DIAMETERS.

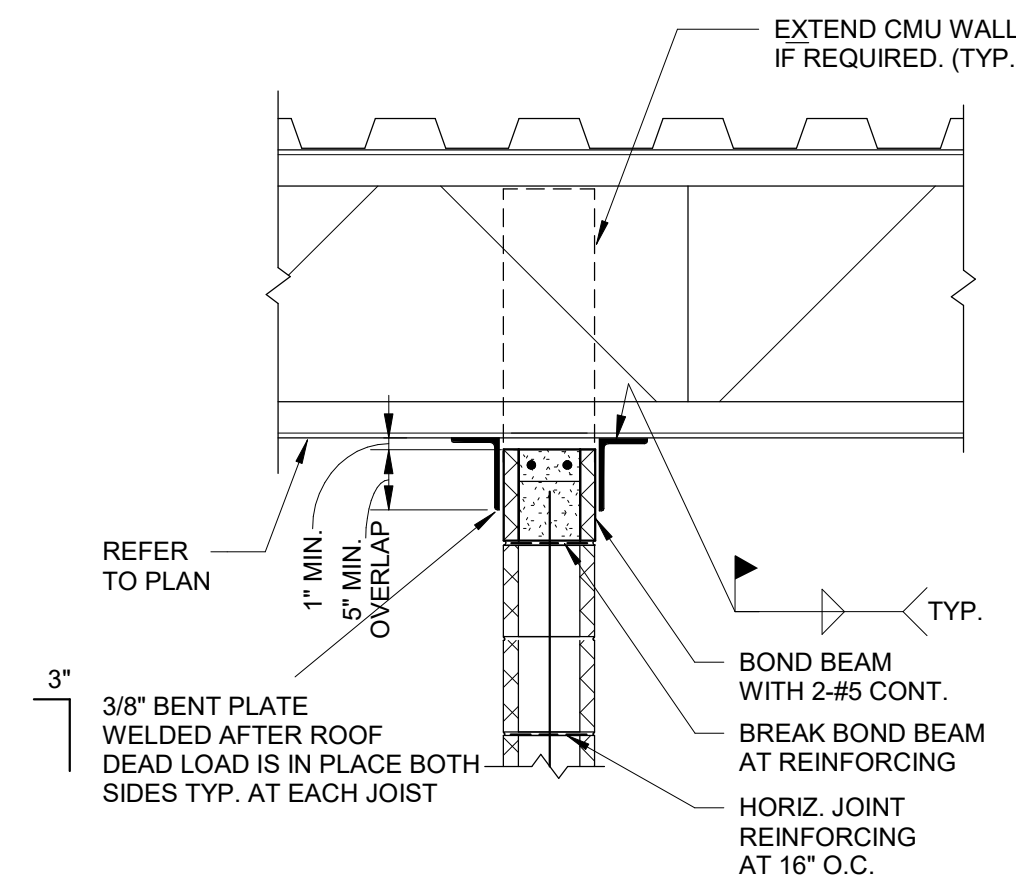


1 TYPICAL ROOF JOIST BEARING ON INTERIOR CMU WALL
3/4" = 1'-0"

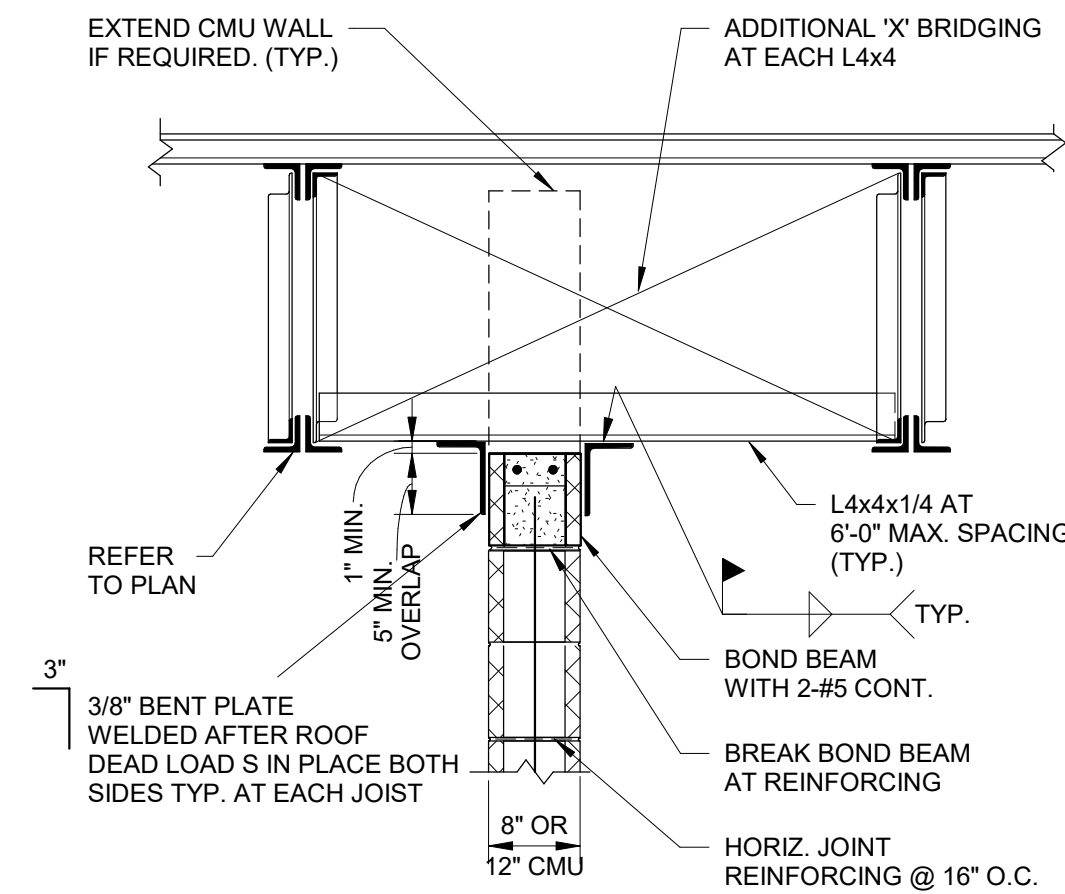
2 TYPICAL ROOF JOIST BEARING ON EXTERIOR CMU WALL
3/4" = 1'-0"

3 ANCHOR BOLT CAST INTO CMU DETAIL
3/4" = 1'-0"

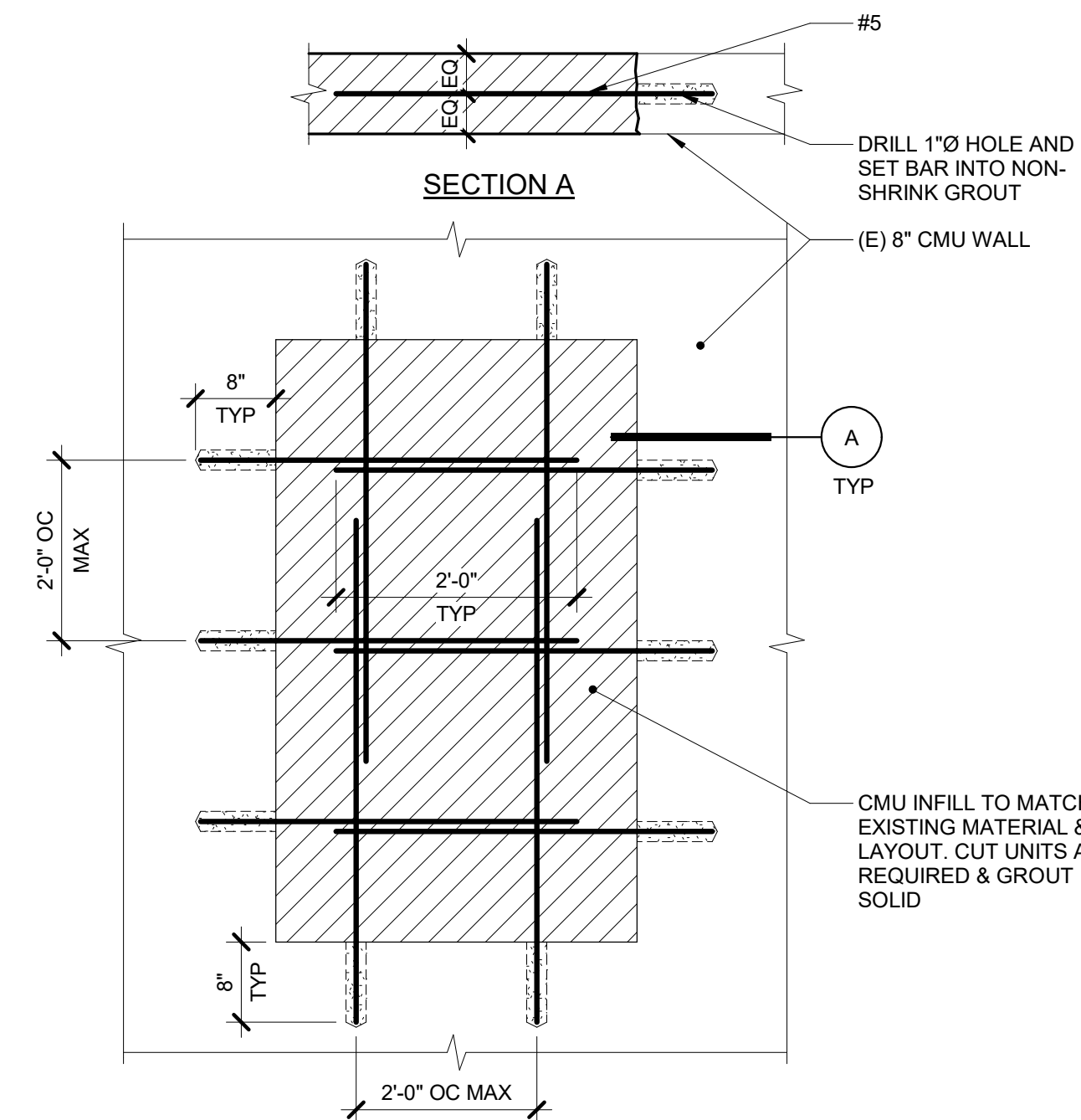
4 JOIST BRIDGING CONN. TO MASONRY WALL
3/4" = 1'-0"



5 MASONRY WALL BRACE PERPENDICULAR TO JOIST
3/4" = 1'-0"



6 MASONRY WALL BRACE PARALLEL JOIST
3/4" = 1'-0"



7 CMU INFILL ELEVATION
3/4" = 1'-0"

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TYPICAL MASONRY SECTIONS

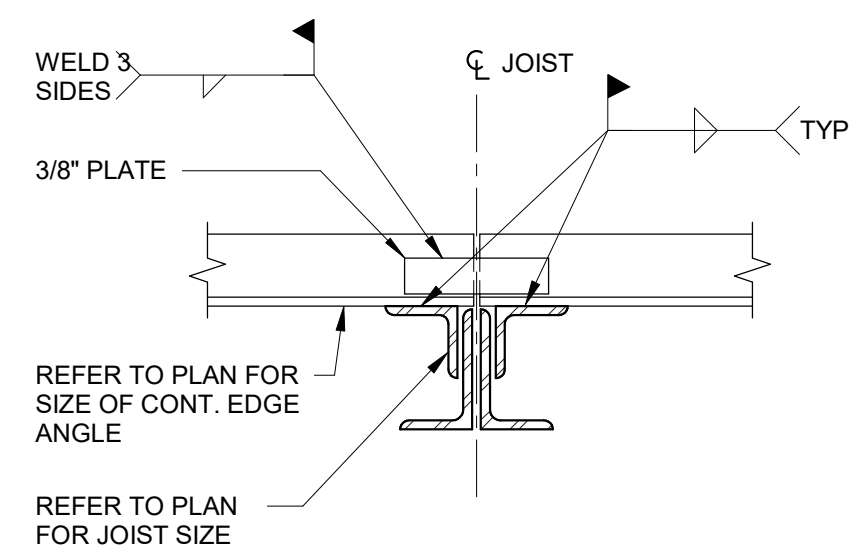


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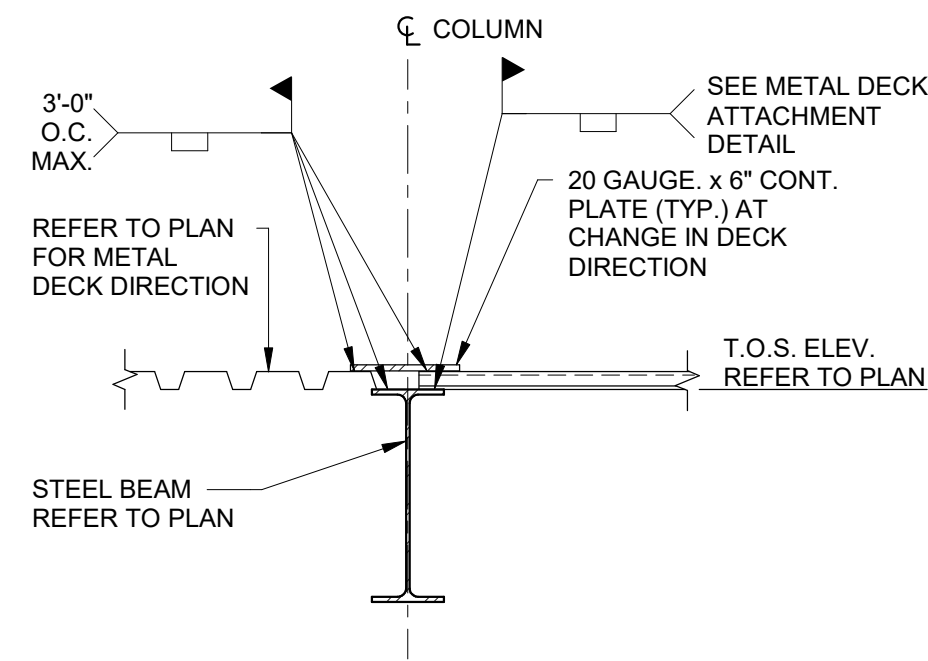


Project No. 4321

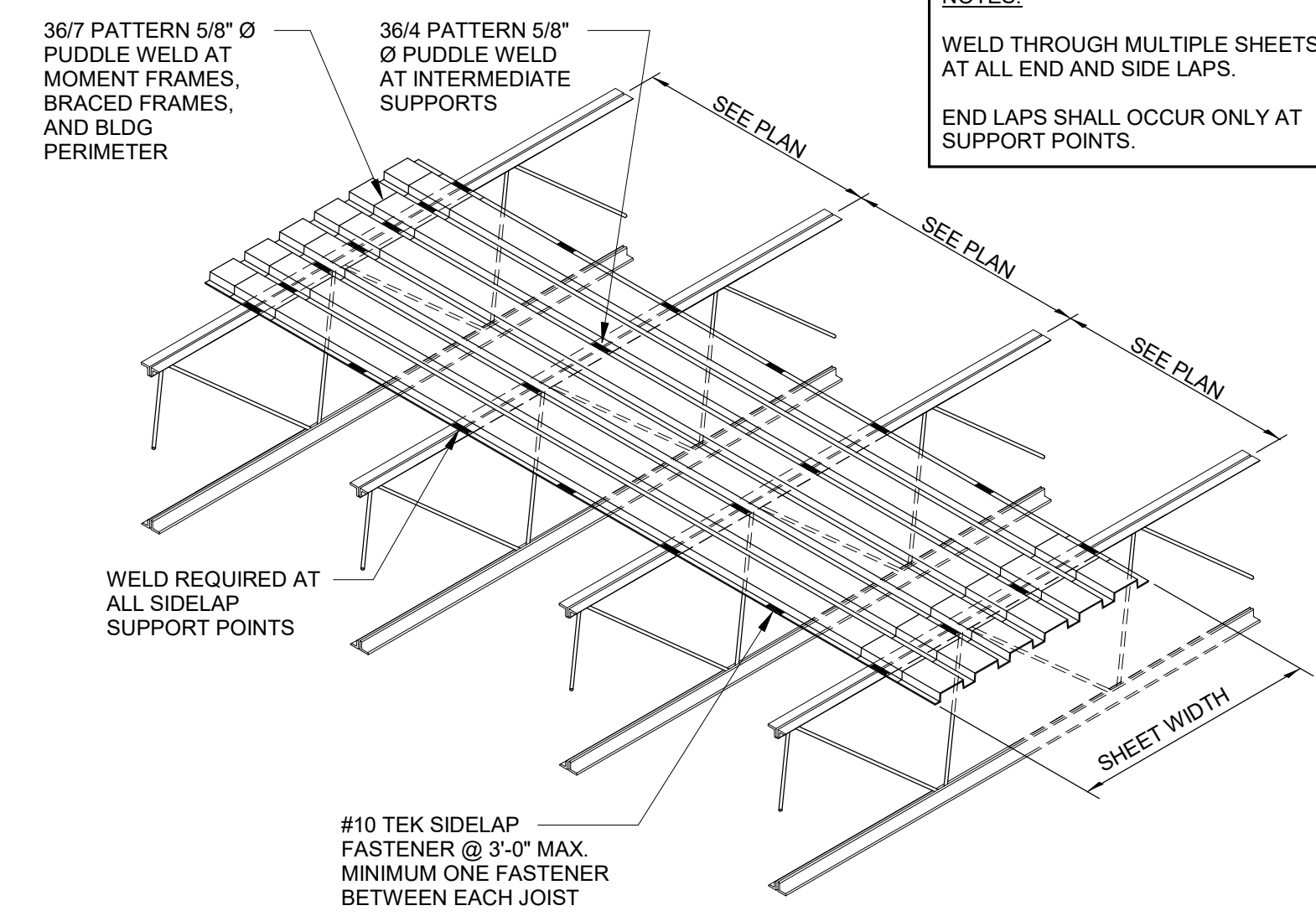
S4.01



1 TYP. CONT. ANGLE SPLICE AT ROOF PERIMETER
1 1/2" = 1'-0"



3 TYP. CHANGE IN DECK DIRECTION AT ROOF
3/4" = 1'-0"



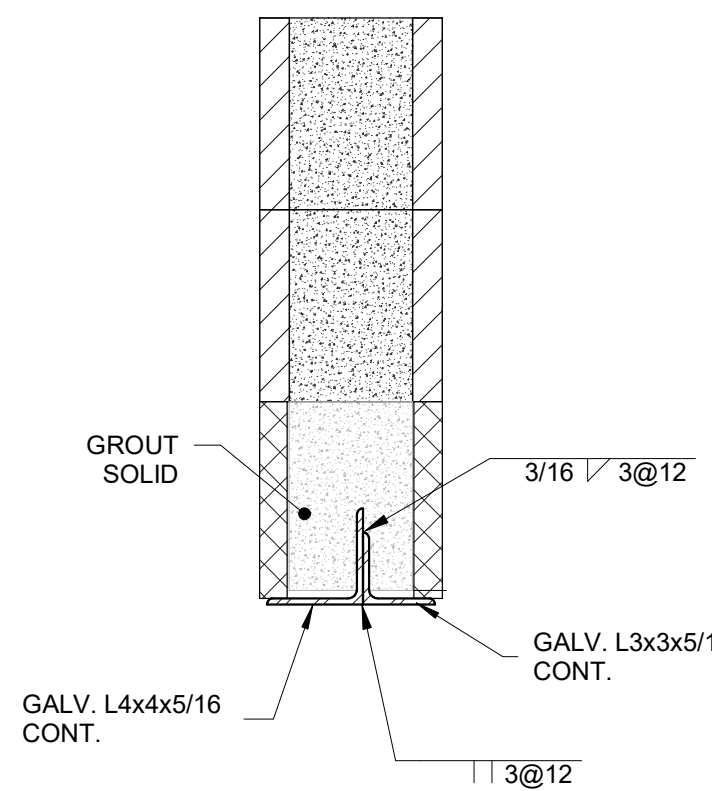
4 TYPICAL ROOF DECK FASTENER PATTERNS
1/2" = 1'-0"

NOTES:
WELD THROUGH MULTIPLE SHEETS AT ALL END AND SIDE LAPS.
END LAPS SHALL OCCUR ONLY AT SUPPORT POINTS.

STEEL LINTEL SCHEDULE				
MARK	OPENING	SIZE	BEARING (MIN.)	REMARKS (1" x W" x T")
L01	TYPICAL INTERIOR OPENING (UP TO 5'-0" U.O.N.)	SEE DETAIL 6/S6.00	8"	7"x7"x3/8" BEARING PL. W. (2) 1/2" DIA. x 6" HD. STUDS
L02	TYPICAL INTERIOR OPENING	SEE DETAIL 7/S6.00	8"	7"x7"x3/8" BEARING PL. W. (2) 1/2" DIA. x 6" HD. STUDS
L03	EXTERIOR OPENING	SEE DETAIL 8/S6.00	8"	7"x7"x1/2" BEARING PL. W. (2) 1/2" DIA. x 6" HD. STUDS
L04	EXTERIOR OPENING UP TO 7'-0"	SEE DETAIL 9/S6.00	8"	7"x7"x3/8" BEARING PL. W. (2) 1/2" DIA. x 6" HD. STUDS
L05	EXTERIOR OPENING UP TO 7'-0"	SEE DETAIL 10/S6.00	8"	7"x7"x3/8" BEARING PL. W. (2) 1/2" DIA. x 6" HD. STUDS

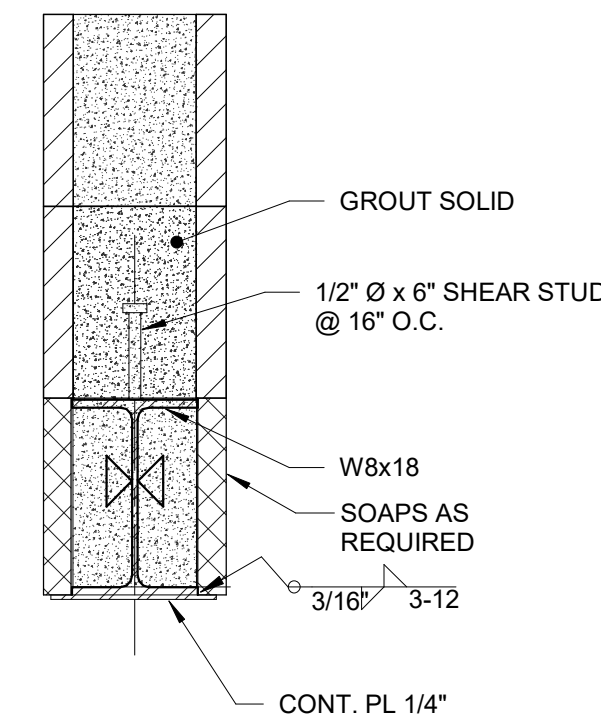
- NOTES
- PLACE LINTEL BEAMS CENTERED IN WALLS (U.O.N.)
 - ALL EXTERIOR LINTELS SHALL BE GALVANIZED.
 - REFER TO ARCH. DRAWINGS FOR MISC. INTERIOR LINTELS NOT SHOWN ON STRUCT. PLAN

5 LINTEL SCHEDULE
1:1

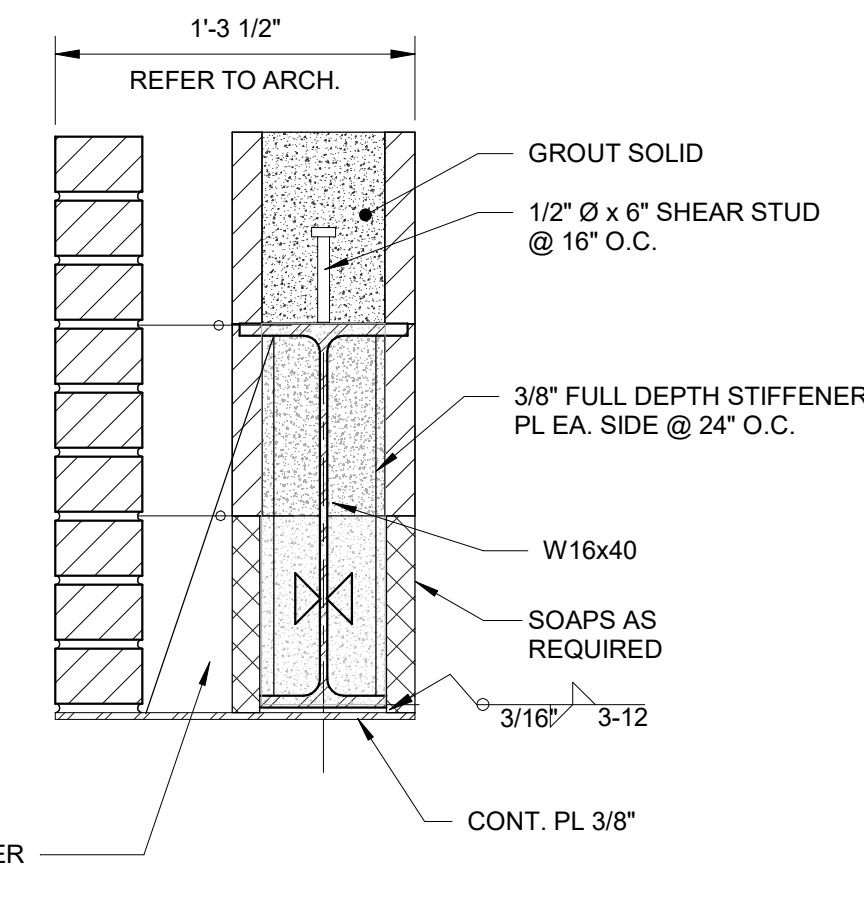


NOTE: USE GALV. L3x2 1/2x3/8 CONT. + GALV. 3X3X3/8 CONT. FOR 6" NON-BEARING CMU WALL.

6 INTERIOR LINTEL L-1 @ NON-BEARING WALLS
1 1/2" = 1'-0"



7 INTERIOR LINTEL L-2
1 1/2" = 1'-0"

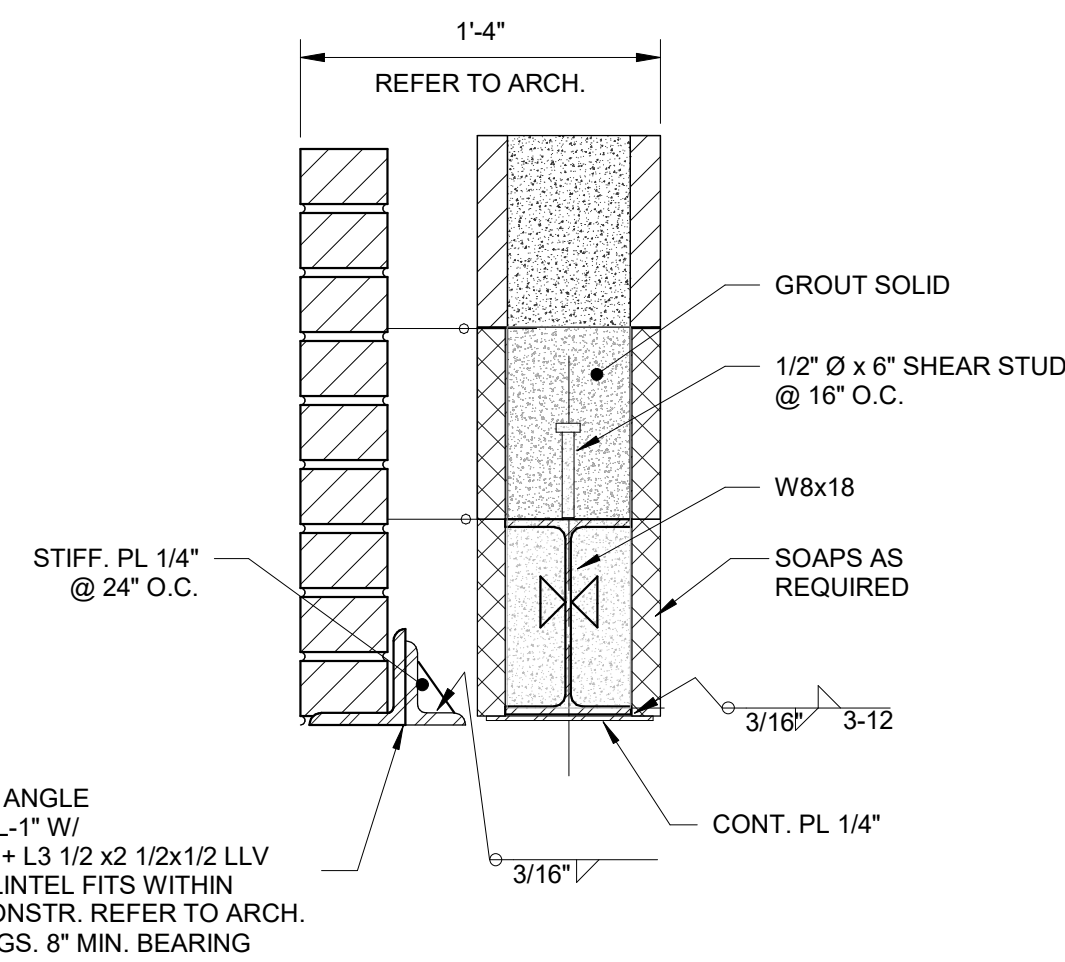


8 EXTERIOR BRICK LINTEL L-3
1 1/2" = 1'-0"

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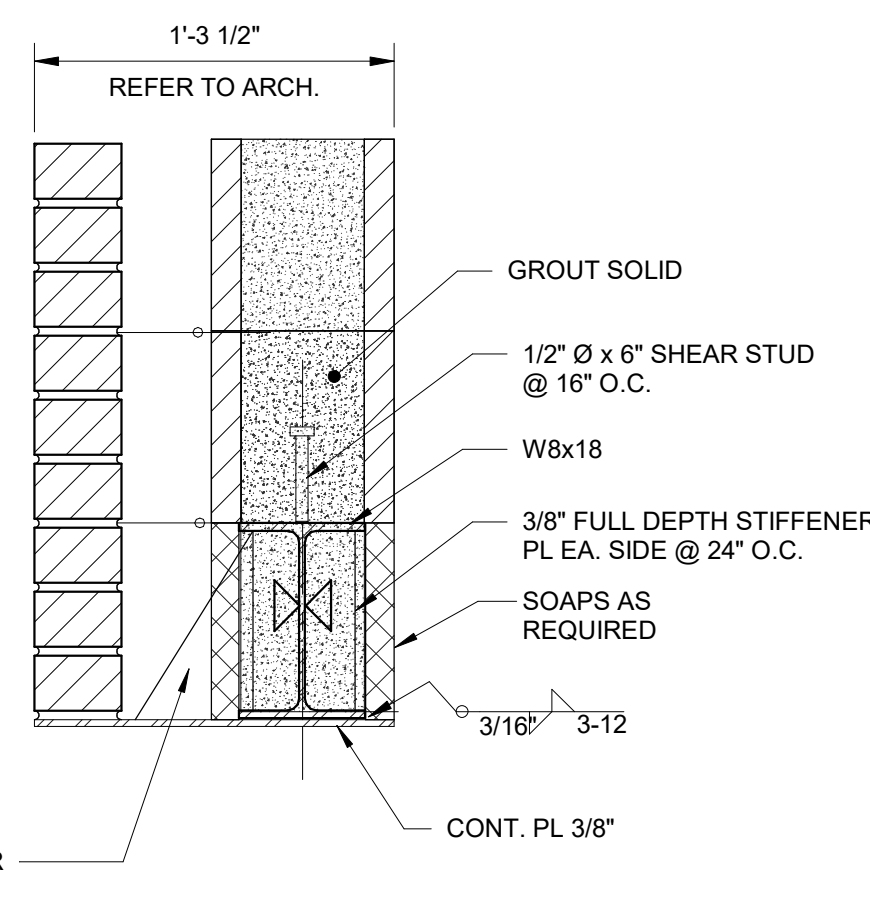
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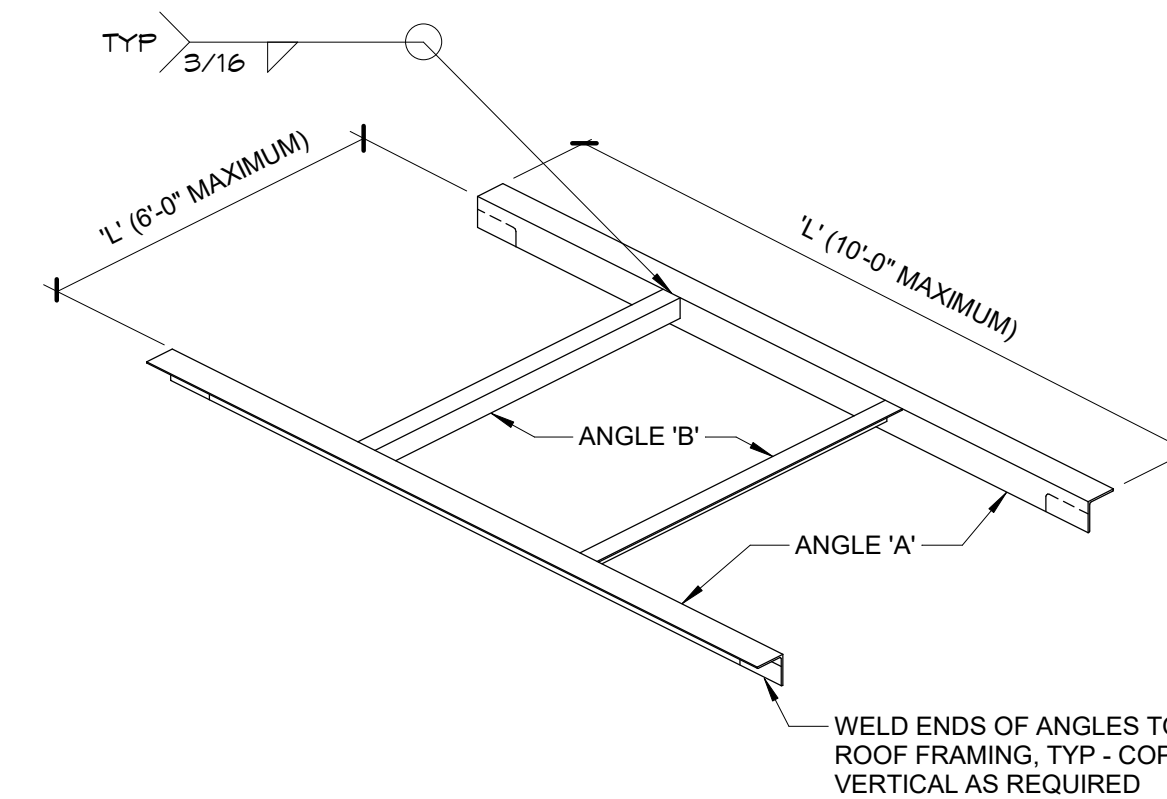


DOUBLE ANGLE SIM TO "L-1" W/ L4x4x1/2 + L3 1/2 x2 1/2x1/2 LLV VERIFY LINTEL FITS WITHIN WALL CONSTR. REFER TO ARCH. DRAWINGS. 8" MIN. BEARING

9 EXTERIOR BRICK LINTEL L-4
1 1/2" = 1'-0"



10 EXTERIOR BRICK LINTEL L-5
1 1/2" = 1'-0"



L'	ANGLE 'A'	ANGLE 'B'
UP TO 1'-0"	NONE	NONE
1'-1" TO 4'-6"	L4x4x1/4	L4x4x1/4
4'-7" TO 6'-0"	L4x4x5/16	L4x4x1/4
6'-1" TO 8'-0"	L4x4x3/8	-
8'-1" TO 10'-0"	L6x4x3/8 (LLV)	-

- NOTES:
- SEE ARCH. AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS.
 - ROOF OPENING FRAMING NOT REQUIRED AT SIDE DISCHARGE ROOF DRAINS. COORDINATE WITH MECHANICAL CONTRACTOR.

11 ROOF OPENING DETAIL
3/4" = 1'-0"

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TYPICAL STEEL DETAILS



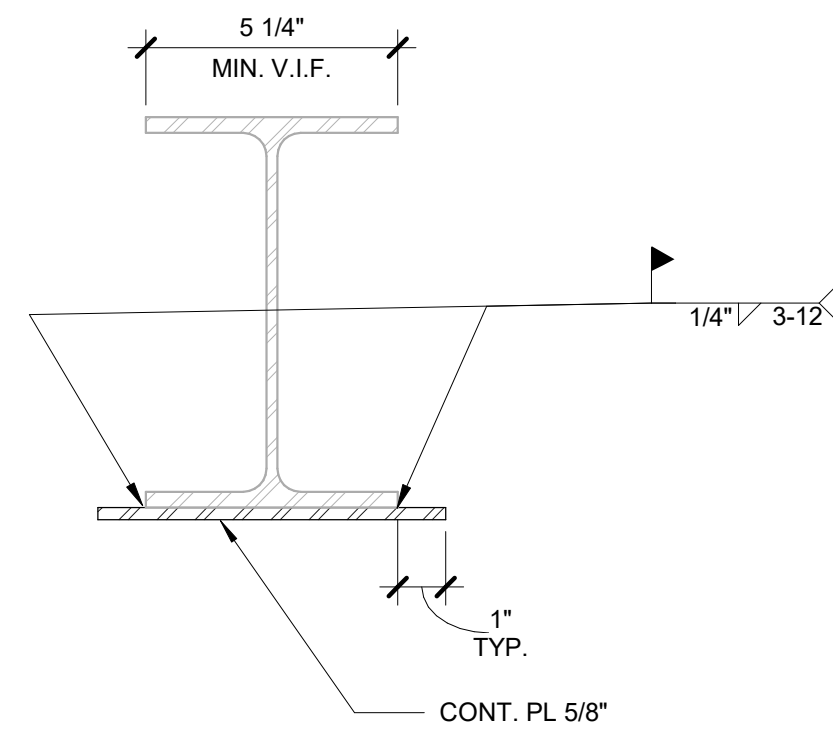
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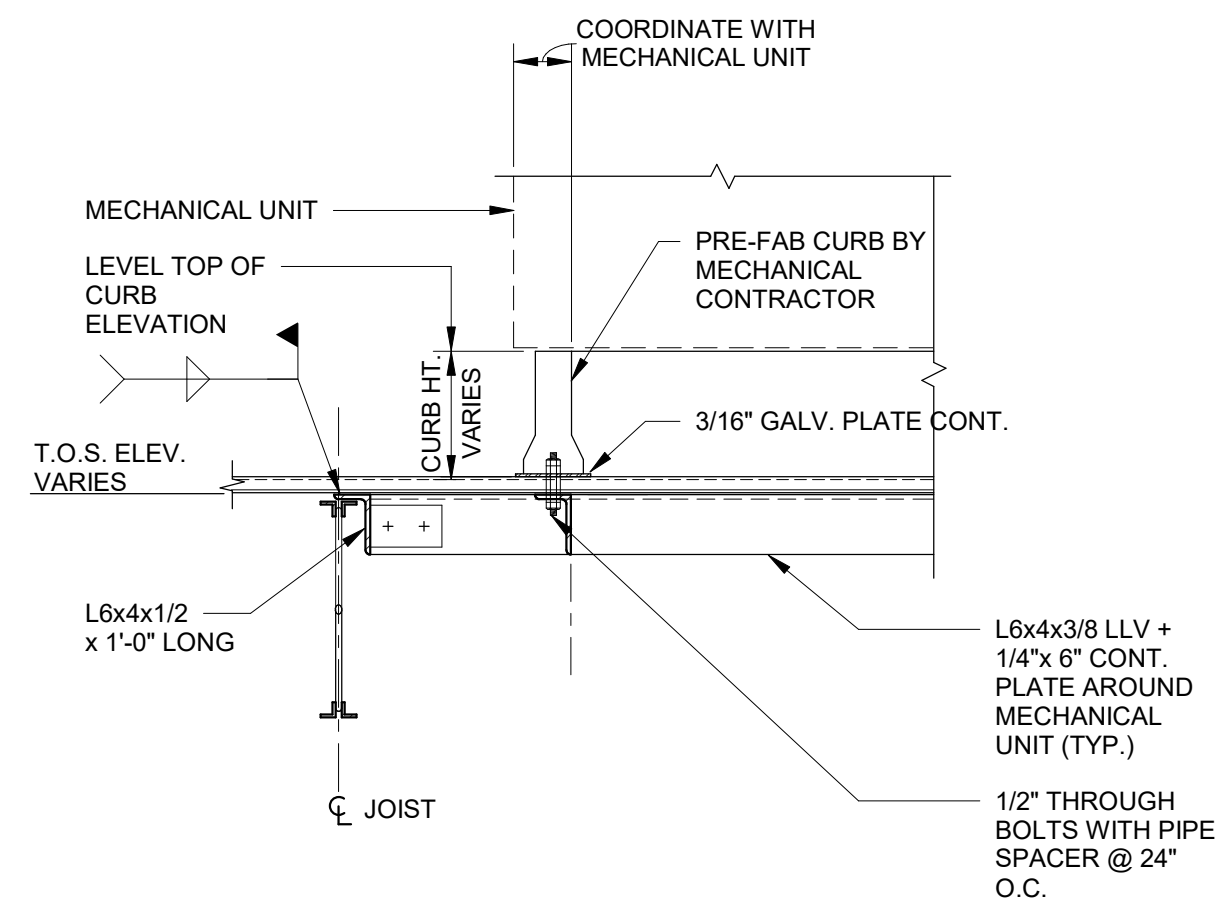
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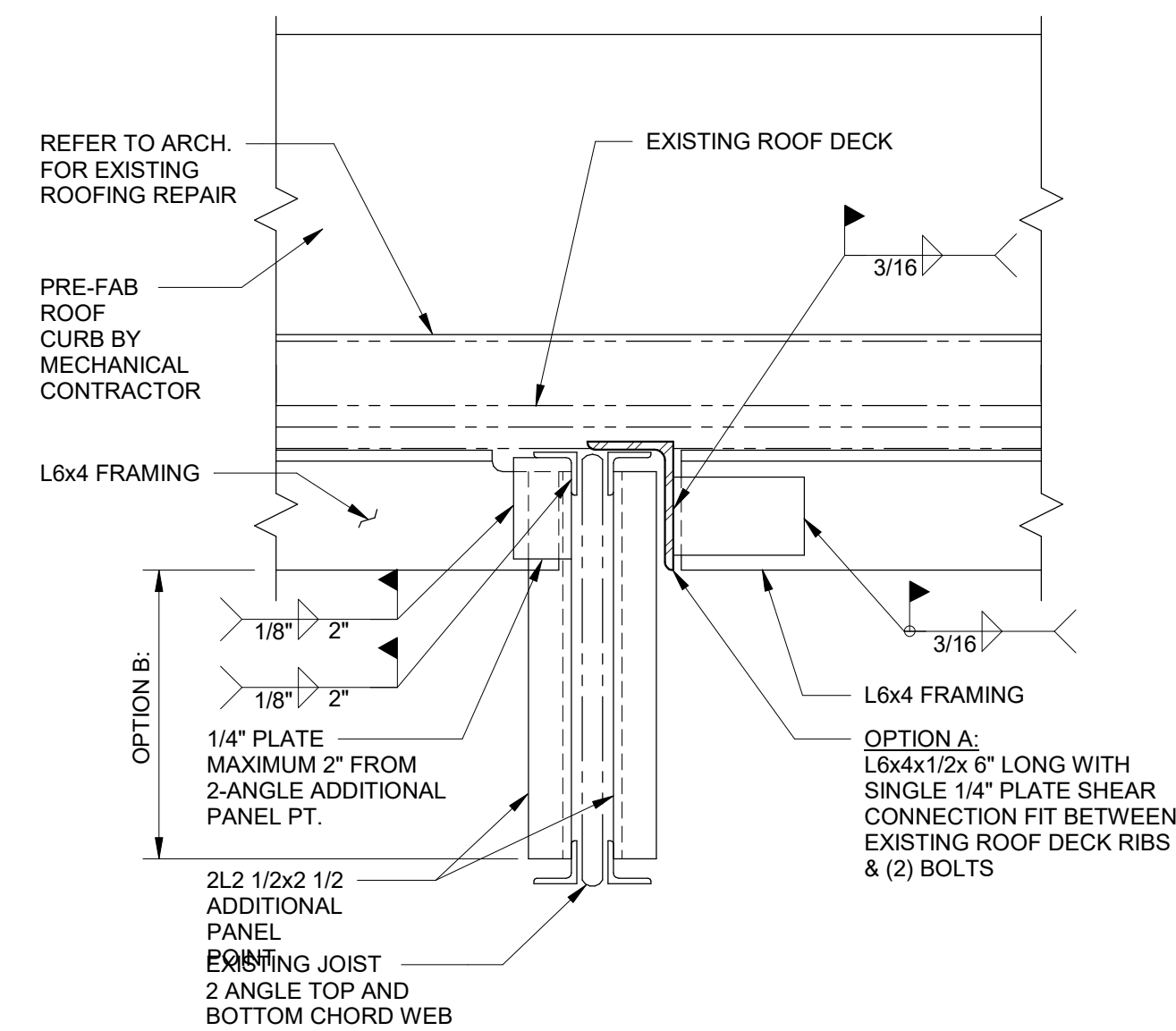


1 TYPICAL WIDE FLANGE BEAM REINF.
3/4" = 1'-0"

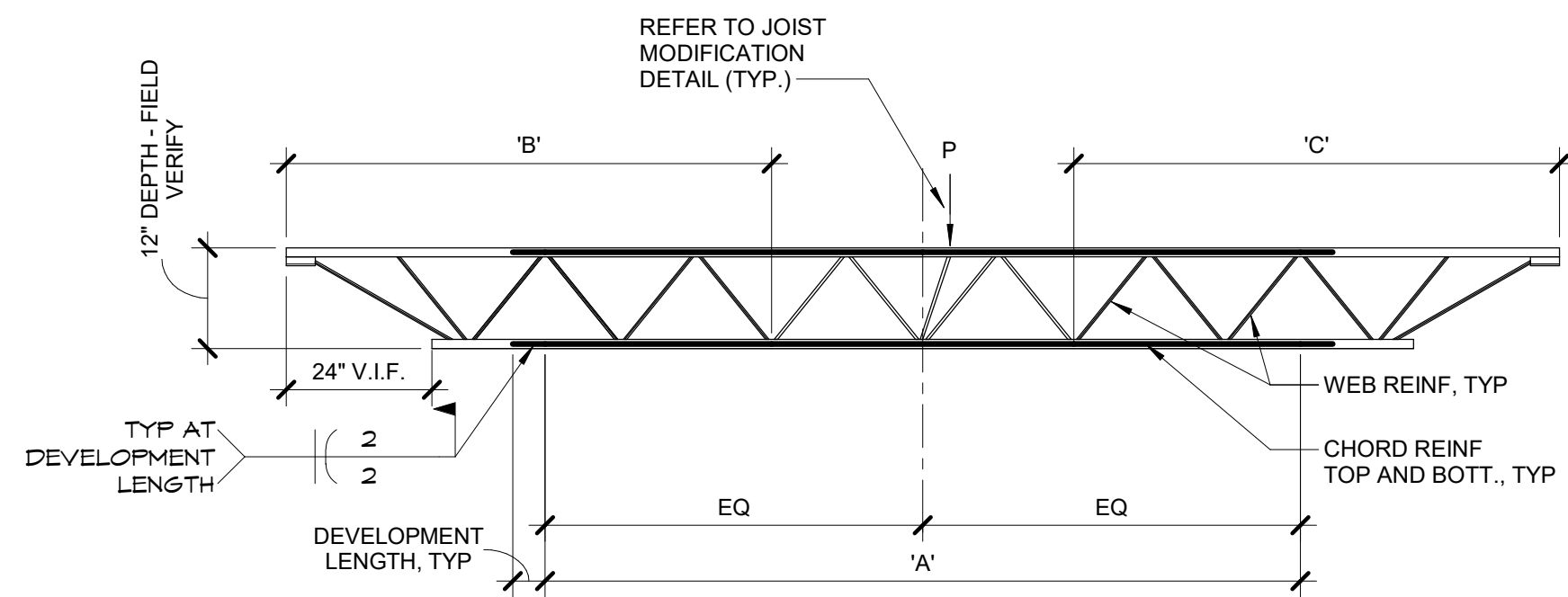


NOTE:
COORDINATE UNIT SIZE & LOCATION WITH APPROVED MECHANICAL EQUIPMENT V.I.F. EXIST. CONDITION IN FIELD AND REPORT ANY DISCREPANCY TO EOR. CONNECTIONS OF EQUIPMENT TO STRUCTURAL FRAMINGS BY OTHERS - REFER TO PLAN

2 TYP. MECH. UNIT PRE-FAB CURB AT JOIST
3/4" = 1'-0"

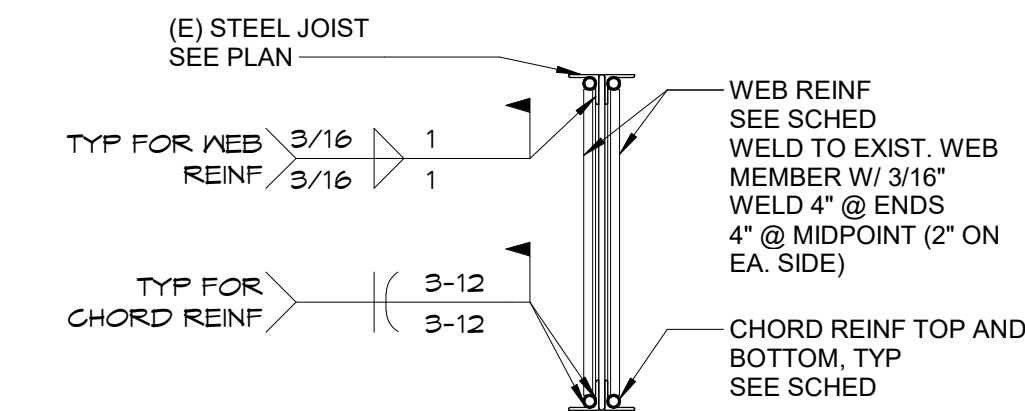


3 TYP. MECHANICAL UNIT ROOF CURB ON EXISTING JOIST CONNECTION CONCEPT
1 1/2" = 1'-0"



STEEL JOIST REINFORCING SCHEDULE						
MARK	RTU #	CHORD REINFORCING		WEB REINFORCING		REMARKS
		SIZE	'A'	SIZE	'B'	
A		(2) 1"Ø GR50 RODS	FULL LENGTH	L2 1/2x2 1/2x1/4 OR (2) 5/8" GRADE 50 RODS	FULL LENGTH	
B						
C						

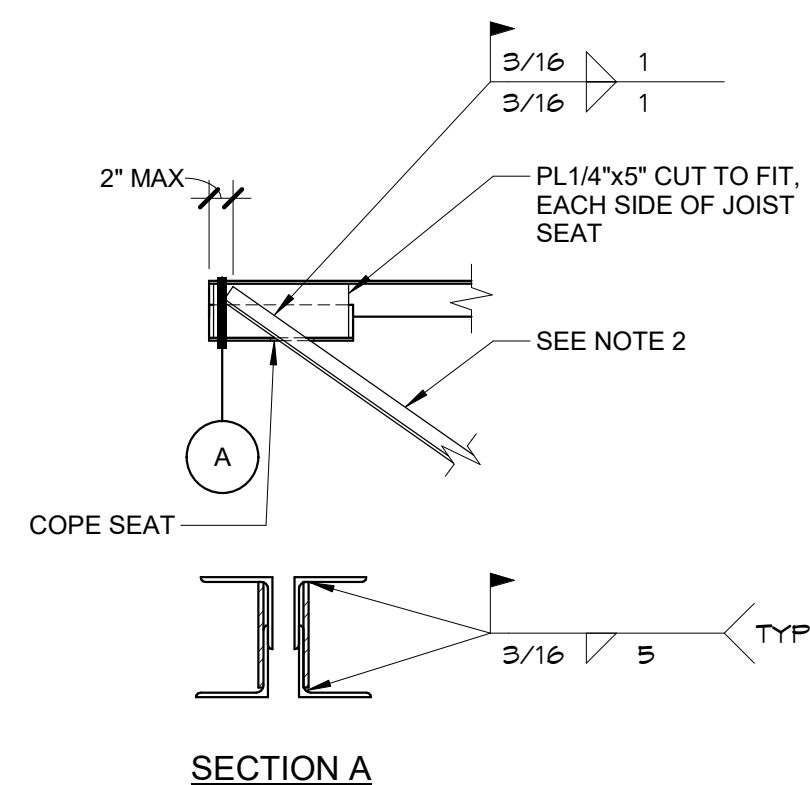
- NOTES:**
- REMOVE AND REINSTALL JOIST BRIDGING AS NECESSARY TO INSTALL REINF MEMBERS.
 - JOIST REINF IS DUE TO NEW ROOF EQUIPMENT OR SNOW DRIFT. PRIOR TO PLACING EQUIPMENT OR BUILDING TALLER STRUCTURE, JOIST REINF MUST BE INSTALLED.
 - SPLICE CHORD REINF SEGMENTS TOGETHER TO DEVELOP FULL CAPACITY OF MEMBER. SPLICE DETAIL BY STEEL FABRICATOR. CONTRACTOR TO VERIFY ALL SIZES, DIMENSIONS AND JOIST CONFIGURATIONS IN THE FIELD AND NOTIFY ARCH./EOR IMMEDIATELY OF ANY DISCREPANCIES, FROM WHICH IS INDICATED ON THESE DRAWINGS.
 - CONTRACTOR SHALL USE CARE DURING WELDING TO ENSURE AGAINST DISTORTION OF EXISTING JOIST MEMBERS.
 - IN ADDITION TO REINFORCING SHOWN HERE, EXISTING JOIST SHALL ALSO BE REINFORCED WHERE NEW CONCENTRATED LOADS ARE LOCATED BETWEEN PANEL POINTS OF EXISTING JOISTS.
 - JOIST REINFORCING SHALL BE INSTALLED WHERE EXISTING JOIST HAS NO APPLIED DEAD OR LIVE LOADS ON IT. JOIST SHALL BE SHORED AND UNLOADED TO ITS ORIGINAL UNDEFLECTED CONDITION IF EXISTING JOIST IS SUBJECTED TO ANY LIVE LOAD OR DEAD LOAD AT THE TIME THAT NEW JOIST REINFORCING IS TO BE INSTALLED.
 - JOIST SEAT TO BE REINFORCED PER TYPICAL JOIST REINFORCING DETAILS. (TYP. @ EACH END)



NOTE:
WELD REINFORCEMENT TO EXIST. JOIST PANEL POINTS & MIDWAY BETWEEN PANEL POINTS (TYP.)
IN ADDITION, USE 3" 3/16" WELD @ 6" O.C. AT EACH END; 3" @ 12" O.C. ELSEWHERE

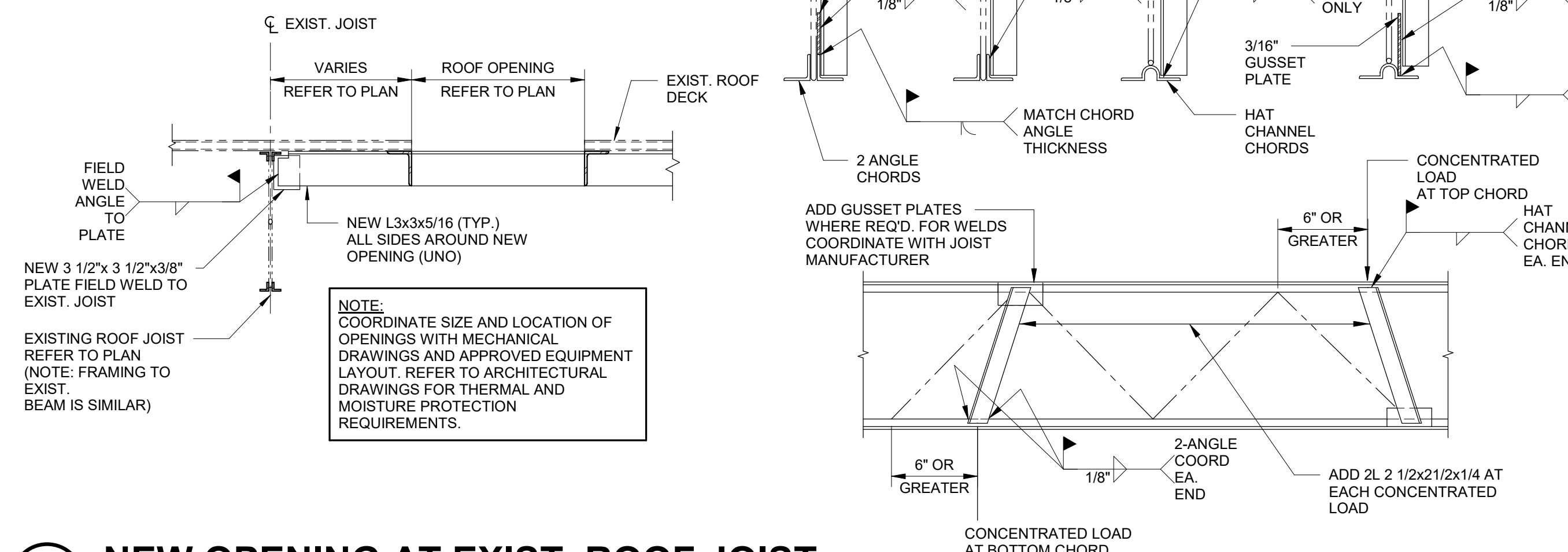
4 JOIST REINFORCING DETAIL
3/4" = 1'-0"
S_S-313

5 JOIST REINF. AT MECHANICAL PIPING
3/4" = 1'-0"



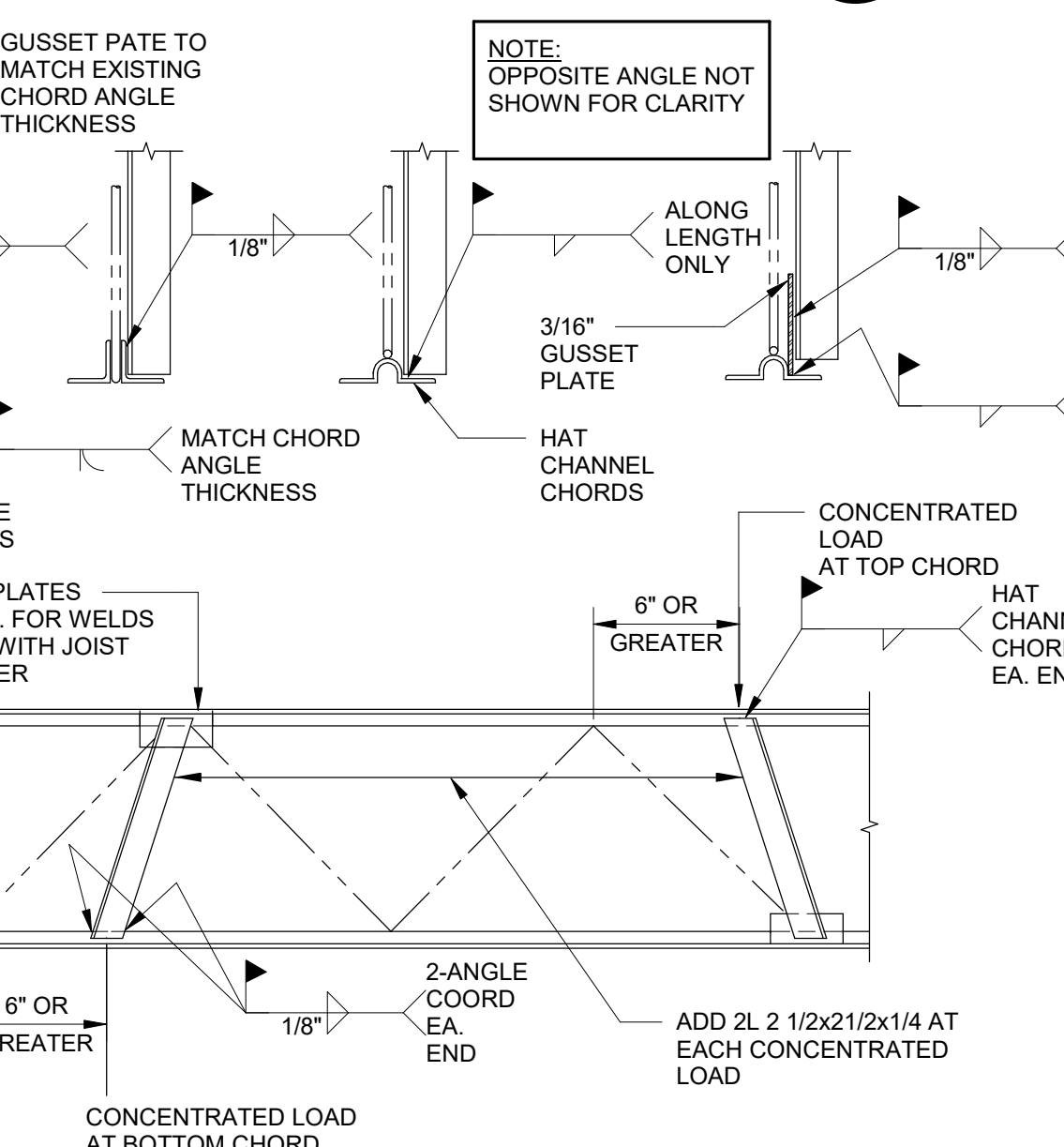
- NOTES:**
- DETAIL REQUIRED ONLY WHEN FIRST WEB MEMBER IS REINF.
 - ANGLE REINF SHOWN TO ILLUSTRATE CONCEPT. (E) WEB NOT SHOWN FOR CLARITY.

6 JOIST SEAT REINFORCING DETAIL
3/4" = 1'-0"
S_S-314

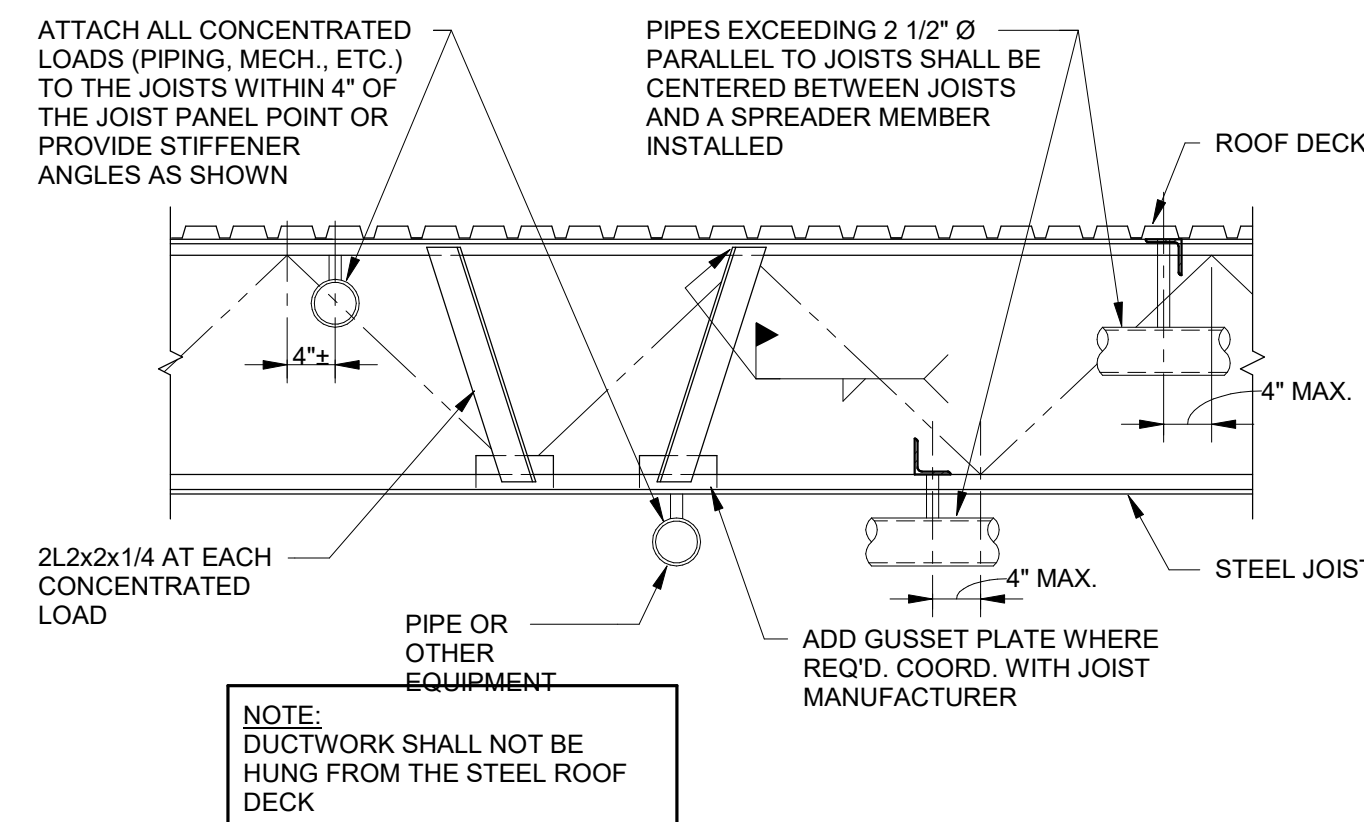


NOTE:
COORDINATE SIZE AND LOCATION OF OPENINGS WITH MECHANICAL DRAWINGS AND APPROVED EQUIPMENT LAYOUT. REFER TO ARCHITECTURAL DRAWINGS FOR THERMAL AND MOISTURE PROTECTION REQUIREMENTS.

7 NEW OPENING AT EXIST. ROOF JOIST
3/4" = 1'-0"



8 TYP. JOIST MODIFICATION DETAIL AT CONCENTRATED LOAD
3/4" = 1'-0"



NOTE:
DUCTWORK SHALL NOT BE HUNG FROM THE STEEL ROOF DECK

IMEG 3353 W. TWELVE MILE SUITE 200 FARMINGTON HILLS, MI 48331 P: 248.344.2800 F: 248.344.1650
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Addendum #2 14 August 2023

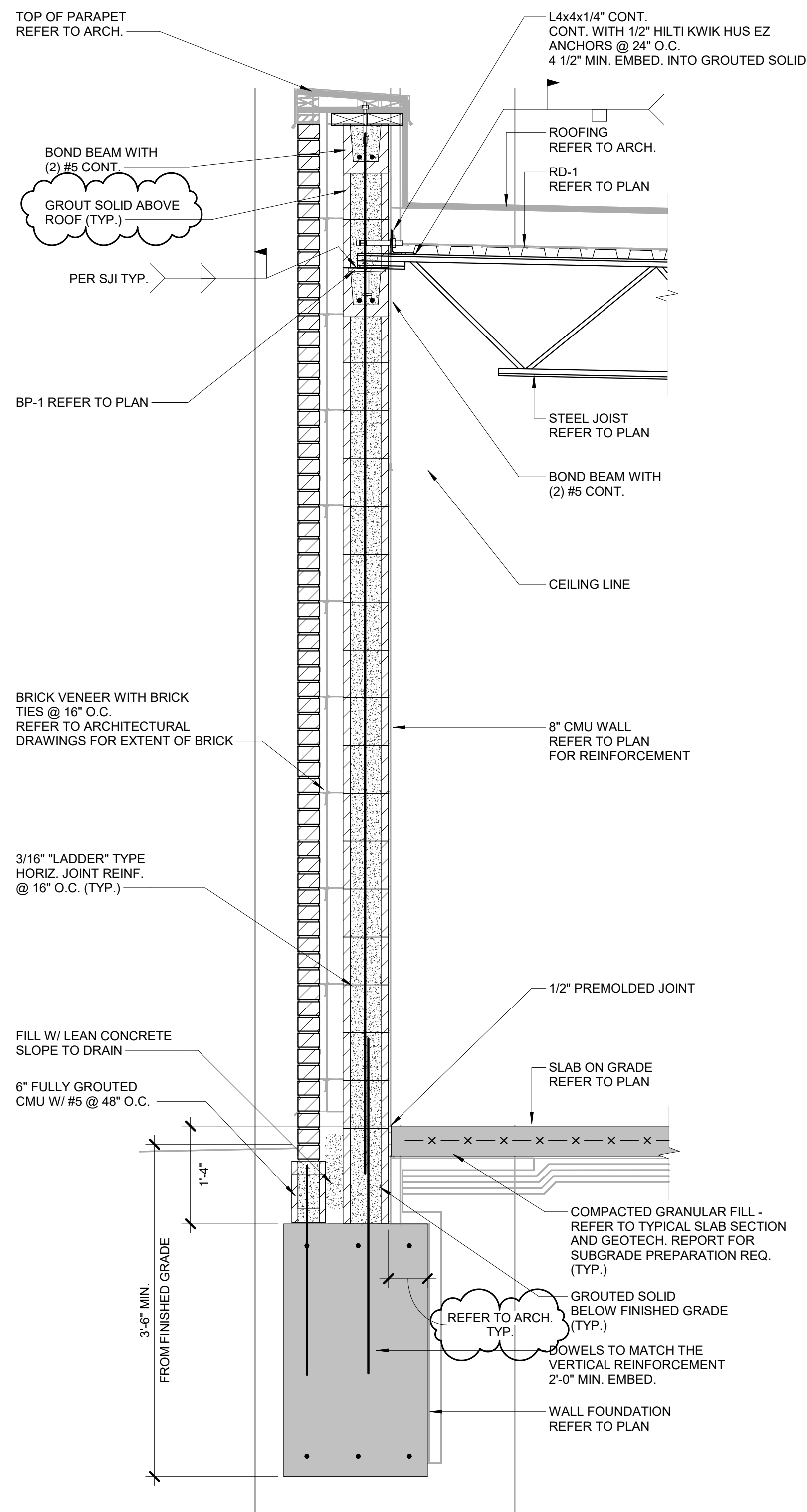
TYPICAL STEEL DETAILS



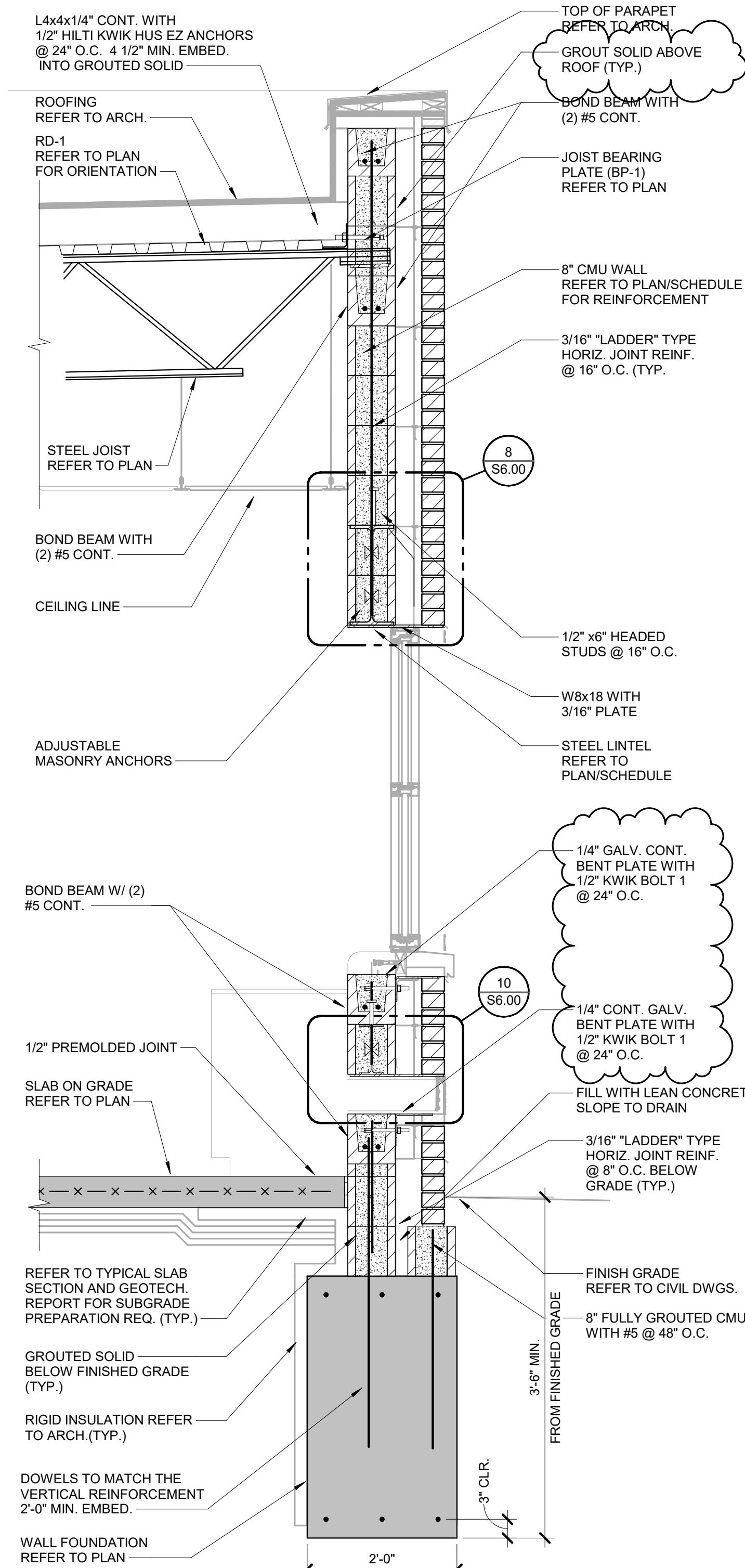
Crestwood School District
Cherry Hill Baptist Church
Administration Relocation and Addition

Project No. 4321

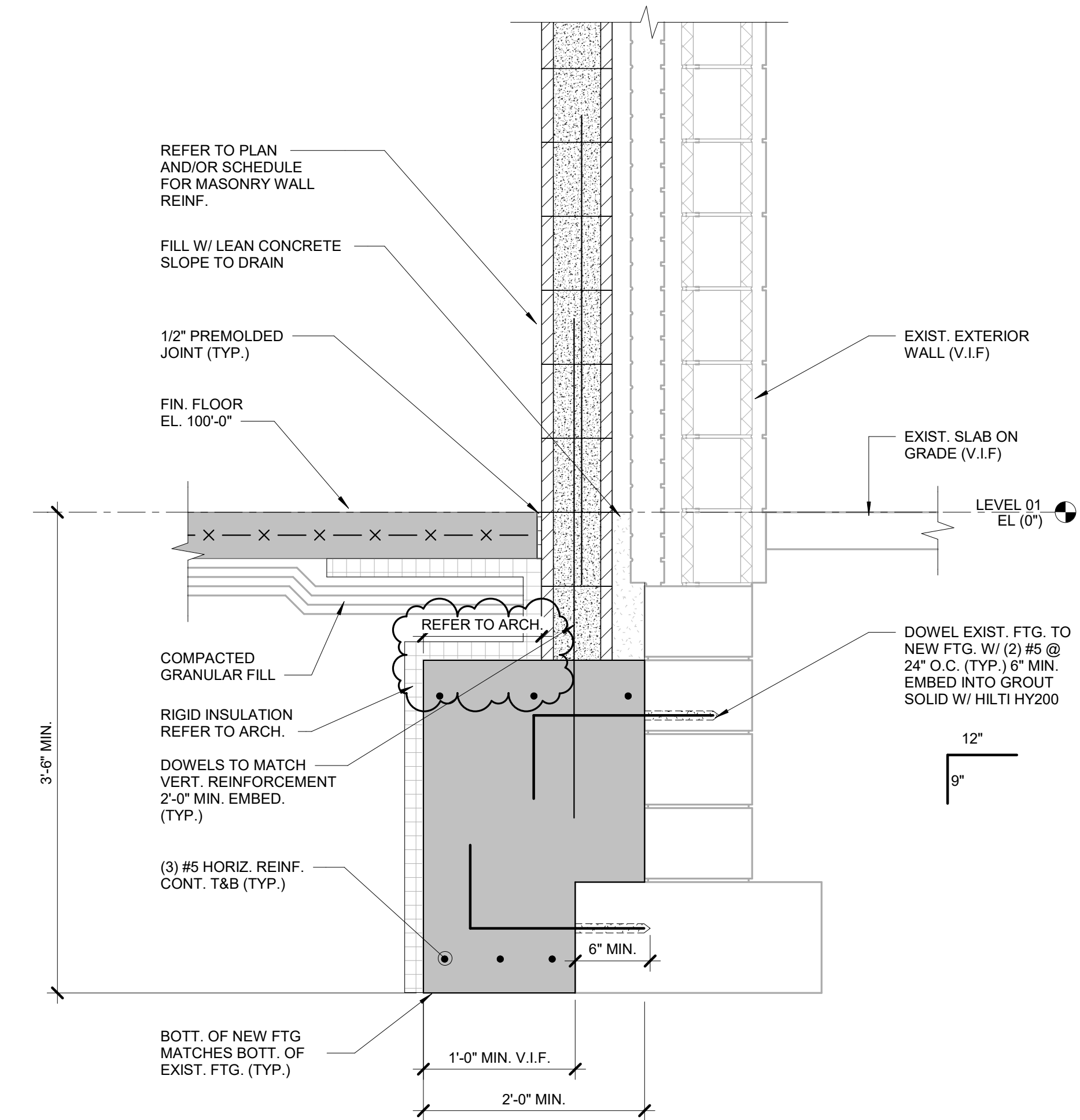
S6.01



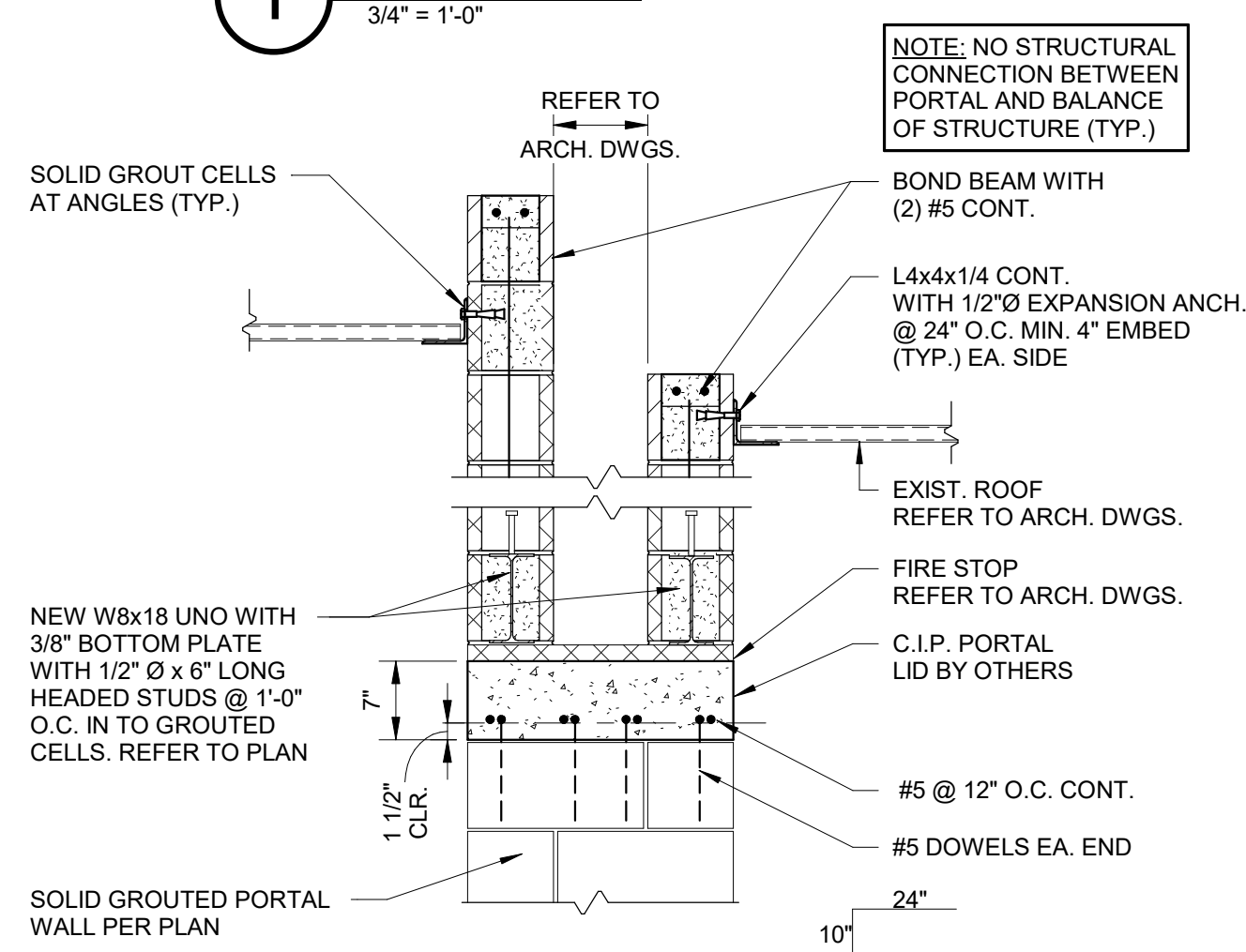
1 SECTION
3/4" = 1'-0"



2 SECTION
3/4" = 1'-0"

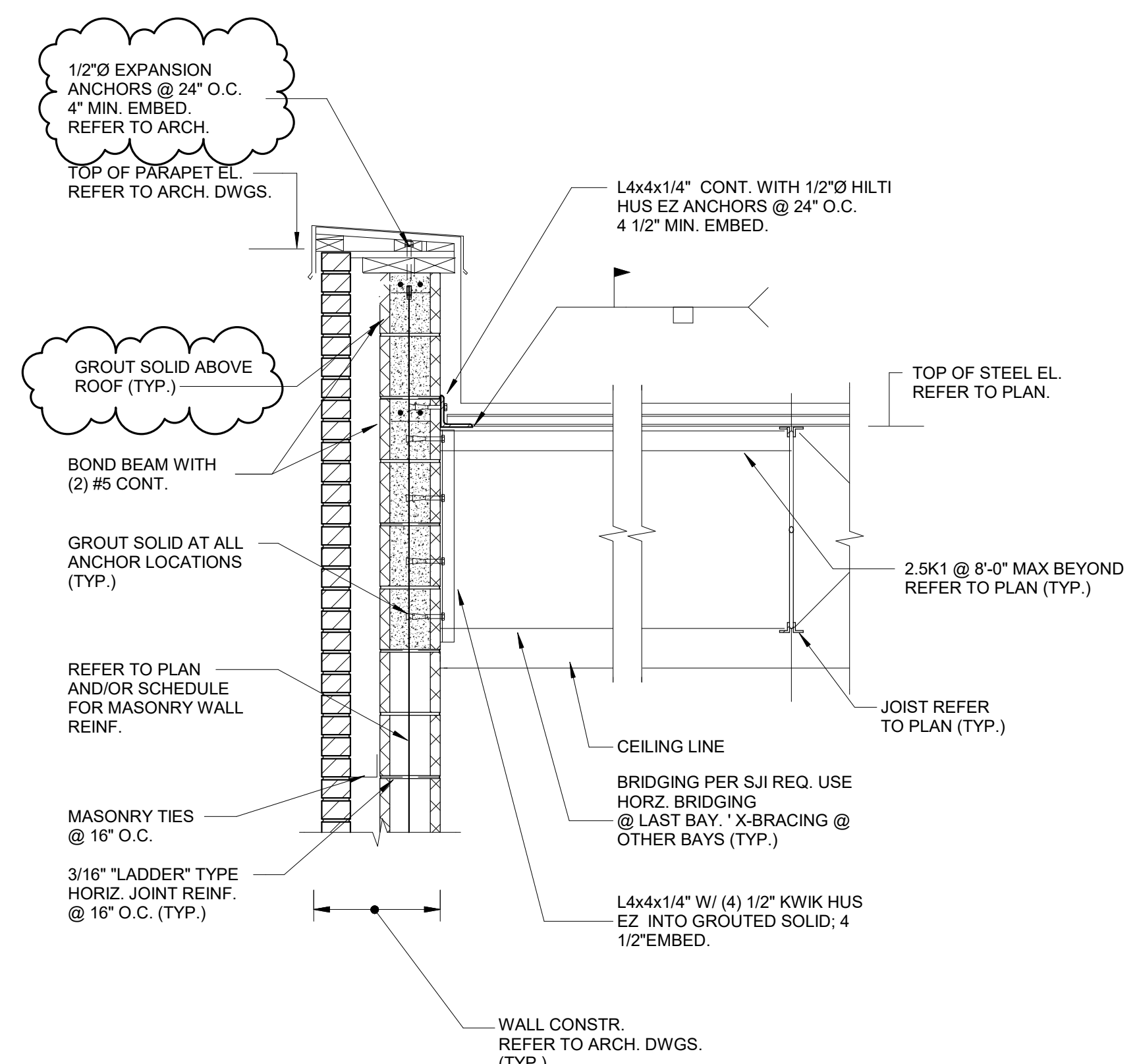


3 SECTION
1" = 1'-0"



NOTE: PORTAL ASSEMBLY IS STRUCTURALLY INDEPENDENT OF FIRE WALLS ON EA. SIDE

4 PORTAL SECTION
3/4" = 1'-0"



5 SECTION
3/4" = 1'-0"

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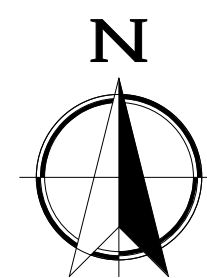
0 1 2 3
REF. SCALE IN INCHES PROJECT #22009642.00

Addendum #2	14 August 2023
Bidding and Permits	31 July 2023
Owner Review	17 July 2023
Design Development	08 May 2023

SECTIONS AND DETAILS



Crestwood School District
Cherry Hill Baptist Church
Administration Relocation and Addition



**SECTION 00 0115
LIST OF DRAWING SHEETS**

TTL	TITLE SHEET
A00	GENERAL INFORMATION
A0.01	CODE REVIEW PLAN
A0.05	PHASING PLAN
A0.08	PROJECT IDENTIFICATION SIGN

SURVEY DRAWINGS:

C1 OF 2	TOPOGRAPHICAL SURVEY
C2 OF 2	TOPOGRAPHICAL SURVEY

CIVIL DRAWINGS:

C1.0	GENERAL PLAN
C2.1	DEMOLITION PLAN
C3.1	UTILITY PLAN
C4.1	PAVING AND LAYOUT PLAN
C5.1	GRADING PLAN
C6.1	SOIL EROSION AND SEDIMENTATION CONTROL PLAN

LANDSCAPE DRAWINGS:

L.101	SITE PLAN LANDSCAPE PLAN
L.102	SITE PLAN LANDSCAPE PLAN
L.301	SITE PLAN LANDSCAPE PLAN
L.302	SITE PLAN LANDSCAPE PLAN
L.601	SITE PLAN LANDSCAPE PLAN - SPECIFICATIONS
L.602	SITE PLAN LANDSCAPE PLAN - SPECIFICATIONS
L.603	SITE PLAN LANDSCAPE PLAN - SPECIFICATIONS

STRUCTURAL DRAWINGS:

S0.01	GENERAL STRUCTURAL NOTES
S0.02	GENERAL STRUCTURAL NOTES
S0.03	SPECIAL INSPECTION SCHEDULES

- S2.10 FOUNDATION PLAN**
- S2.11 ROOF FRAMING PLAN**

- S3.00 TYPICAL CONCRETE SECTIONS**

- S4.00 TYPICAL MASONRY SECTIONS**
- S4.01 TYPICAL MASONRY SECTIONS**

- S6.00 TYPICAL STEEL DETAILS**
- S6.01 TYPICAL STEEL DETAILS**

- S7.00 SECTIONS AND DETAILS**

ARCHITECTURAL DRAWINGS:

- A0.11 ARCHITECTURAL SITE PLAN**
- A0.12 DUMPSTER ENCLOSURE PLAN & DETAILS**

- A1.10 REMOVALS COMPOSITE PLAN**
- A1.11 REMOVALS FLOOR PLAN (AREA A)**
- A1.12 REMOVALS FLOOR PLAN (AREA B)**
- A1.13 REMOVALS CEILING PLAN (AREA A)**
- A1.14 REMOVALS CEILING PLAN (AREA B)**
- A1.15 REMOVALS ELEVATIONS**
- A1.16 REMOVALS ELEVATIONS**

- A2.10 COMPOSITE FLOOR PLAN**
- A2.11 FLOOR PLAN (AREA A)**
- A2.12 FLOOR PLAN (AREA B)**
- A2.13 DIMENSION PLAN (AREA A)**
- A2.14 DIMENSION PLAN (AREA B)**

- A2.50 COMPOSITE ROOF PLAN**

- A2.60 DOOR SCHEDULE**
- A2.61 DOOR SCHEDULE**

- A2.80 CABINET SCHEDULE / DETAILS**

A3.00	EXTERIOR ELEVATIONS
A3.01	EXTERIOR ELEVATIONS
A3.02	EXTERIOR ELEVATIONS
A3.03	EXTERIOR ELEVATIONS
A3.50	BUILDING SECTIONS
A3.51	BUILDING SECTIONS
A3.52	BUILDING SECTIONS
A4.00	ENLARGED FLOOR PLANS (RESTROOMS)
A4.01	ENLARGED FLOOR PLANS
A5.00	INTERIOR ELEVATIONS
A5.01	INTERIOR ELEVATIONS
A5.02	INTERIOR ELEVATIONS
A5.03	INTERIOR ELEVATIONS
A6.10	COMPOSITE RCP
A8.10	COMPOSITE FINISH PLAN
A8.11	FINISH PLAN AREA A
A8.12	FINISH PLAN AREA B
A8.50	ROOM FINISH SCHEDULE
A8.51	MATERIAL SCHEDULE
A8.52	WALL AND FLOOR TILE DETAILS
A9.00	EXTERIOR WALL SECTIONS
A9.01	EXTERIOR WALL SECTIONS
A9.02	EXTERIOR WALL SECTIONS
A9.03	EXTERIOR WALL SECTIONS
A9.10	EXTERIOR DETAILS
A9.11	EXTERIOR DETAILS
A9.12	EXTERIOR DETAILS
A9.13	EXTERIOR DETAILS
A9.14	STANDARD EXTERIOR DETAILS

A9.50 INTERIOR WALL SECTIONS
A9.51 INTERIOR WALL SECTIONS
A9.52 INTERIOR WALL SECTIONS
A9.55 PORTAL WALL SECTIONS

A9.60 INTERIOR DETAILS
A9.61 INTERIOR DETAILS
A9.62 INTERIOR DETAILS

A9.65 PORTAL A DETAILS
A9.66 PORTAL B DETAILS

MECHANICAL DRAWINGS:

M0.01 MECHANICAL STANDARDS AND DRAWING INDEX

MD2.11 PLUMBING DEMOLITION PLAN (PART A)
MD3.11 HVAC PIPING DEMOLITION PLAN (PART A)
MD3.12 HVAC PIPING DEMOLITION PLAN (PART B)
MD4.11 SHEET METAL DEMOLITION PLAN (PART A)
MD4.12 SHEET METAL DEMOLITION PLAN (PART B)

M2.01 UNDERGROUND PLUMBING PLAN (PART A)
M2.02 UNDERGROUND PLUMBING PLAN (PART B)

M2.11 PLUMBING PLAN (PART A)
M2.12 PLUMBING PLAN (PART B)

M3.11 HVAC PIPING PLAN [PART A]
M3.12 HVAC PIPING PLAN [PART B]

M4.11 REFRIGERANT PIPING PLAN (PART A)
M4.12 REFRIGERANT PIPING PLAN (PART B)

M5.11 SHEET METAL PLAN (PART A)
M5.11-ALT SHEET METAL PLAN (PART A) - ALTERNATE
M5.12 SHEET METAL PLANT (PART B)

M6.01 MECHANICAL DETAILS
M6.02 MECHANICAL DETAILS
M6.03 MECHANICAL DETAILS

M7.01 MECHANICAL SCHEDULES
M7.02 MECHANICAL SCHEDULES
M7.03 MECHANICAL SCHEDULES
M7.04 MECHANICAL SCHEDULES
M7.05 MECHANICAL SCHEDULES

M8.01 TEMPERATURE CONTROL STANDARDS AND GENERAL NOTES
M8.02 TEMPERATURE CONTROLS
M8.03 TEMPERATURE CONTROLS
M8.04 TEMPERATURE CONTROLS
M8.05 TEMPERATURE CONTROLS

ELECTRICAL DRAWINGS:

E0.01 ELECTRICAL STANDARDS AND DRAWING INDEX
E0.02 ELECTRICAL STANDARD SCHEDULES

ED0.03 ELECTRICAL SITE DEMOLITION PLAN

E0.03 ELECTRICAL SITE NEW WORK PLAN
E0.04 ELECTRICAL COMPOSITE PLAN

ED1.11 ELECTRICAL DEMOLITION PLAN (PART A)
ED1.12 ELECTRICAL DEMOLITION PLAN (PART B)

E2.11 LIGHTING PLAN (PART A)
E2.12 LIGHTING PLAN (PART B)

E3.11 POWER PLAN (PART A)
E3.12 POWER PLAN (PART B)

E5.01 ONE LINE DIAGRAM
E5.02 PANEL SCHEDULES
E5.03 PANEL SCHEDULES

E7.01 ELECTRICAL DETAILS AND DIAGRAMS
E7.02 ELECTRICAL DETAILS AND DIAGRAMS
E7.03 ELECTRICAL DETAILS AND DIAGRAMS
E7.04 ELECTRICAL DETAILS AND DIAGRAMS
E7.05 ELECTRICAL DETAILS AND DIAGRAMS

TECHNOLOGY DRAWINGS:

T2.10 STRUCTURED CABLING SYSTEM COMPOSITE FLOOR PLAN
T2.11 STRUCTURED CABLING SYSTEM FLOOR PLAN (PART A)
T2.12 STRUCTURED CABLING SYSTEM FLOOR PLAN (PART B)

T7.01 STRUCTURED CABLING SYSTEM DETAILS

TP2.10 PUBLIC ADDRESS SYSTEM COMPOSITE FLOOR PLAN
TP2.11 PUBLIC ADDRESS FLOOR PLAN (PART A)
TP2.12 PUBLIC ADDRESS FLOOR PLAN (PART B)

TY2.10 SECURITY SYSTEM COMPOSITE FLOOR PLAN
TY2.11 SECURITY SYSTEM FLOOR PLAN (PART A)
TY2.12 SECURITY SYTEM FLOOR PLAN (PART B)

TY7.01 SECURITY SYSTEM DETAILS

END OF SECTION

SECTION 01 2100 ALLOWANCES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Contingency allowance.
- B. Inspecting and testing allowances.

1.02 RELATED REQUIREMENTS

- A. Section 01 2000 - Price and Payment Procedures: Additional payment and modification procedures.

1.03 CONTINGENCY ALLOWANCE

- A. Contractor's costs for products, delivery, installation, labor, insurance, payroll, taxes, bonding, equipment rental, overhead and profit will be included in Change Orders authorizing expenditure of funds from this Contingency Allowance.
- B. Funds will be drawn from the Contingency Allowance only by Change Order.
- C. At closeout of Contract, funds remaining in Contingency Allowance will be credited to Owner by Change Order.

1.04 INSPECTING AND TESTING ALLOWANCES

1.05 ALLOWANCES SCHEDULE

- A. Electrical Contingency Allowance: Include the stipulated sum/price of \$40,000 for transformer revisions, verifications and upgrades with DTE.
- B. Electrical Contingency Allowance: Include the stipulated sum/price of ~~\$40,000~~ \$70,000 for temporary power equipment required to power Phase 1 work while Phase 2 and 3 are under construction.
- C. Winter Conditions Contingency Allowance: Include the stipulated sum/price of \$30,000 for temporary plywood exterior enclosures, insulation, temporary heating appliance, temporary heating fuel, etc.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

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SUBSTITUTION REQUEST

(During the Bidding/Negotiating Stage)

Project: CRESTWOOD SCHOOL DISTRICT
CHERRY HILL CHURCH
 To: ERESMAN ASSOCIATES
EUZAPHE S. BUE
 Re: WINDOW SHADES
 Specification Title: WINDOW SHADES
 Section: 122400 Page: 2

Substitution Request Number: _____
 From: MARtha STACK, DREIER
 Date: 8.10.23
 A/E Project Number: 3221
 Contract For: _____
 Description: MANUFACTURERS
 Article/Paragraph: 2.01.A.4

Proposed Substitution: OPENLIGHT - LOCALLY MANUFACTURED @ A COST EFFECTIVE RATE WITH SPEC FABRIC
 Manufacturer: CWLI INC Address: 2216 S INDUSTRIAL HWY Phone: 734.769.5100
 Trade Name: OPENLIGHT - CWLI INC dba CREATIVE WINDOWS AND MORE Model No.: OPENLIGHT

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

- The Undersigned certifies:
- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
 - Same warranty will be furnished for proposed substitution as for specified product.
 - Same maintenance service and source of replacement parts, as applicable, is available.
 - Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
 - Proposed substitution does not affect dimensions and functional clearances.
 - Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: MARtha STACK, DREIER
 Signed by: Martha Stack, Dreier RA, CSI, CDT
 Firm: CWLI INC dba CREATIVE WINDOWS
 Address: 2216 S INDUSTRIAL HWY
ANN ARBOR, MICHIGAN
 Telephone: 248.761.1601 MOBILE

Approval is contingent upon equivalent fabric match to the following fabrics:
 Draper - Sheer Weave PW455-P10 Granite (5% Open fabric)
 Draper - Sunbloc Series SB9040 Gray (blackout fabric)
 (Fabric sample cards not provided for review at this time)

A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signed by: Rebecca M Van Camp Date: 08/15/2023

Supporting Data Attached: Drawings Product Data Samples Tests Reports _____

**SECTION 00 4100
BID FORM**

THE PROJECT AND THE PARTIES

1.01 TO:

- A. Crestwood School District (Owner)
27235 Joy Road
Dearborn Heights, MI 48127

1.02 FOR:

- A. Project: Cherry Hill Baptist Church (CHBC)
- B. Architect's Project Number: 3221
1045 N. Gulley Road
Dearborn Heights, Michigan 48127

1.03 DATE: _____ (BIDDER TO ENTER DATE)

1.04 SUBMITTED BY: (BIDDER TO ENTER NAME AND ADDRESS, TYPE OR PRINT LEGIBLY)

- A. Bidding Company Full Name _____
 - 1. Bidding Contact Full Name _____
 - 2. Address _____
 - 3. City, State, Zip _____
 - 4. Phone Number _____
 - 5. Email Address _____

1.05 OFFER

- A. Having examined the Place of The Work and all matters referred to in the Instructions to Bidders and the Bid Documents prepared by Architect for the above mentioned project, we, the undersigned, hereby offer to enter into a Contract to perform the Work for the Sum of:

_____ dollars
(\$ _____), in lawful money of the United States of America.

- B. We have included the required Bid Bond as required by the Instruction to Bidders.
- C. We have included the required Performance Bond and Payment Bond in the Bid Amount as required by the Instructions to Bidders. The Bonds should be in the full contract sum (100%).
- D. All applicable federal taxes are included and State of Michigan taxes are included in the Bid Sum.
- E. **Submit two (2) hard copies of the bid forms prior to 2:00 p.m. on Wednesday, August 23, 2023. Provide an electronic copy (flash drive) of the entire Proposal including, but not limited to: the Proposal Form, Contractor Qualifications Form, Bid Security, Familial Relationship Disclosure Form, Affidavit of Compliance - Iran Economic Sanctions Act Form, Unit Prices Form, and Alternates Form. If a flash drive is not included, email a copy of the bid documents to architects@ehresmanarchitects.com before noon on Thursday, August 24, 2023 .**

1.06 ACCEPTANCE

- A. This offer shall be open to acceptance and is irrevocable for 90 days from the bid closing date. Once the contract is executed, the office shall hold for the duration of the contract.
- B. If this bid is accepted by Owner within the time period stated above, we will:
 - 1. Execute the Agreement within seven days of receipt of Notice of Award.
 - 2. Furnish the required bonds within seven days of receipt of Notice of Award.
 - 3. Commence work within seven days after written Notice to Proceed of this bid.

- C. If this bid is accepted within the time stated, and we fail to commence the Work or we fail to provide the required Bond(s), the security deposit shall be forfeited as damages to Owner by reason of our failure, limited in amount to the lesser of the face value of the security deposit or the difference between this bid and the bid upon which a Contract is signed.
- D. In the event our bid is not accepted within the time stated above, the required security deposit shall be returned to the undersigned, in accordance with the provisions of the Instructions to Bidders; unless a mutually satisfactory arrangement is made for its retention and validity for an extended period of time.

1.07 CONTRACT TIME

- A. If this Bid is accepted, we will:
- B. Districts Desired Substantial Completion of the Work by Friday, August 30, 2024.
- C. The Districts Desired Substantial Completion date is based on the federal funding source expiration date and cannot be extended.

1.08 CHANGES TO THE WORK

- A. When Architect establishes that the method of valuation for Changes in the Work will be net cost plus a percentage fee in accordance with General Conditions, our percentage fee will be:
 - 1. 10 percent overhead and profit on the net cost of our own Work;
 - 2. 10 percent on the cost of work done by any Subcontractor.
- B. On work deleted from the Contract, our credit to Owner shall be Architect-approved net cost plus 10 percent overhead and profit.

1.09 ADDENDA

- A. The following Addenda have been received. The modifications to the Bid Documents noted below have been considered and all costs are included in the Bid Sum.
 - 1. Addendum # _____ Dated _____.
 - 2. Addendum # _____ Dated _____.
 - 3. Addendum # _____ Dated _____.
 - 4. Addendum # _____ Dated _____.

1.10 BID FORM SUPPLEMENTS

- A. The following information is included with Bid submission:
 - 1. Unit Prices: 7
 - 2. Alternates: 1.
- B. The following Supplements are attached to this Bid Form and are considered an integral part of this Bid Form:
 - 1. Document 00 4322 - Unit Prices Form: Include a listing of unit prices specifically requested by Contract Documents.
 - 2. Document 00 4323 - Alternates Form: Include the cost variations to the Bid Sum applicable to the Work as described in Section 01 2300 Alternates.

1.11 BID FORM SIGNATURE(S)

- A. The Corporate Seal of
- B. _____
- C. (Bidder - print the full name of your firm)
- D. was hereunto affixed in the presence of:
- E. _____
- F. (Authorized signing officer, Title)

END OF SECTION

CONTRACTOR QUALIFICATIONS FORM

1. Number of years your organization has been in business as a General Contractor/Construction Manager.

2. Number of years your organization has been business under its present name.

3. List other or former names under which your organization has operated.

4. Minimum Experience – at least three (3) comparable projects of similar type, scope, size and cost, with customer reference.

REFERENCE #1

Project Name: _____
Location: _____
Cost: _____
Year: _____
Contact Name: _____ Title: _____
Phone: _____ Email: _____

REFERENCE #2

Project Name: _____
Location: _____
Cost: _____
Year: _____
Contact Name: _____ Title: _____
Phone: _____ Email: _____

REFERENCE #3

Project Name: _____
Location: _____
Cost: _____
Year: _____
Contact Name: _____ Title: _____
Phone: _____ Email: _____

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CONTRACTOR ENVIRONMENTAL ACKNOWLEDGEMENT FORM

HAZARD IDENTIFICATION

It is the Contractor's responsibility to be aware of all dangers or hazards associated with the work performed, the work environment, and to remove and/or control the hazard or danger prior to commencement of the work. It is also the Contractor's responsibility to review Section 00 3100 – Available Project Information, the Limited Asbestos Survey Report, and Limited Lead-Containing Paint Survey Reports included within the Project Manual. All potential or existing dangers or hazards observed by the Contractor shall be reported to the Owner's representative / contact. Any danger or hazard observed beyond the control of the Contractor is to be reported to the Owner's representative / contact immediately and the Contractor is to avoid the hazard or danger until it is eliminated or controlled.

CONTRACTOR ENVIRONMENTAL ACKNOWLEDGEMENT

I have been informed of the presence of asbestos-containing materials (ACM) and presumed asbestos-containing materials (PACM) in the school. It is my understanding that known or assumed asbestos-containing materials that may be impacted during construction will be removed by the Owner. I will notify the Owner's Designated Person of any activities of my employees which represent a *potential* for disturbance of remaining asbestos-containing materials. I will also notify the Owner's Designated Person if any material is encountered that was not identified in the pre-renovation asbestos survey report and will not disturb the material until it is determined to be an ACM or non-ACM.

I have been informed of the presence of lead-containing paint (lcp) and lead-based paint (lbp) in the construction area. I understand that should my work activities involve disturbance of lbp or lcp I will comply with the requirements of 29 CFR 1926.62 "Lead Exposure in Construction". Furthermore, I will take protective measures to ensure that the activities of my employees will not result in migration of lead-containing dust outside the work area and that residual lead dust concentrations inside the work area are not elevated after the work is complete. I will provide a comprehensive work plan describing the engineering controls and work practices that will be implemented to achieve the above requirements. The work plan will be reviewed and accepted by the Owner and its environmental consultant. I am knowledgeable in the requirements for compliance with the Lead Exposure in Construction standard.

I have also been informed of the hazards of other chemicals present in the area where my employees will be working and of the appropriate protective measures. I take full responsibility for ensuring that my workers follow safe working procedures and take the appropriate protective measures. Material Safety Data Sheets have been provided where applicable. I will inform representatives of the Owner of all hazardous materials that I will bring into the school and will provide MSDS documents where applicable.

Contractor Signature

Company Name

Address

City, State, Zip Code

Date

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**SECTION 00 4322
UNIT PRICES FORM**

PARTICULARS

1.01 THE FOLLOWING IS THE LIST OF UNIT PRICES REFERENCED IN THE BID SUBMITTED BY:

1.02 (BIDDER) _____

1.03 TO (OWNER): CRESTWOOD SCHOOL DISTRICT

1.04 DATED _____ AND WHICH IS AN INTEGRAL PART OF THE BID FORM.

**1.05 THE FOLLOWING ARE UNIT PRICES FOR SPECIFIC PORTIONS OF THE WORK AS LISTED,
AND ARE APPLICABLE TO AUTHORIZED VARIATIONS FROM THE CONTRACT
DOCUMENTS.**

UNIT PRICE LIST

2.01 UNIT PRICE # 1: \$ _____

2.02 UNIT PRICE # 2: \$ _____

2.03 UNIT PRICE # 3: \$ _____

2.04 UNIT PRICE # 4: \$ _____

2.05 UNIT PRICE # 5: \$ _____

2.06 UNIT PRICE # 6: \$ _____

2.07 UNIT PRICE # 7: \$ _____

END OF SECTION

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PUBLIC ADDRESS SYSTEM UNIT PRICE SHEET

NOTE: Unit prices are to be included with bidder's original sealed proposal for the Work to be per Project Specifications. All unit prices shall include installation labor unless otherwise noted.

Item or Material	Unit Price Regular Time
Provide and install one (1) Analog Station Bridge, as specified in the RFB.	\$
Provide and install one (1) VoIP Admin Phone, as specified in the RFB.	\$
Provide and install one (1) Ceiling Speaker, as specified in the RFB.	\$
Provide and install one (1) Wall Surface Mount Speaker, as specified in the RFB.	\$
Technician (Hourly Rate)	\$
Technician (Overtime Hourly Rate)	\$
Technician (Holiday Hourly Rate)	\$

END OF UNIT PRICE SHEET

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SECURITY SYSTEMS UNIT PRICE SHEET

NOTE: Unit prices are to be included with bidder's original sealed proposal for the Work to be per Project Specifications. All unit prices shall include installation labor unless otherwise noted.

Item or Material	Unit Price Regular Time
Provide and install one (1) Access control system application blade	\$
Provide and install one (1) Access control system node	\$
Provide and install one (1) Door contact including cabling, equipment, and testing	\$
Provide and install one (1) HID iClass R40 Smart Card Reader including cabling, equipment, and testing	\$
Provide and install one (1) HID iClass R10 Mullion Smart Card Reader including cabling, equipment, and testing	\$
Provide and install one (1) Axis P3268-LV interior camera complete per specifications, excluding cabling	\$
Provide and install one (1) Axis P3268-LVE exterior camera complete per specifications, excluding cabling	\$
Provide and install one (1) Master Station complete per specifications, excluding cabling	\$
Provide and install one (1) Panic Button complete per specifications, including cabling	\$
Provide and install one (1) Remote Release complete per specifications, including cabling	\$
Provide and install one (1) Lock Down Button complete per specifications, including cabling	\$
Provide and install one (1) 1" Conduit sleeve including coring, bushings, firestop	\$
Security System Technician (Hourly Rate)	\$
Security System Technician (Overtime Hourly Rate)	\$
Security System Technician (Holiday Hourly Rate)	\$

END OF UNIT PRICE SHEET

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COMMUNICATIONS CABLING UNIT PRICE SHEET

NOTE: Unit prices are to be included with bidder's original sealed proposal for the Work to be per Project Specifications. All unit prices shall include installation labor unless otherwise noted.

Item or Material	Unit Price Regular Time
Provide (1) Single Category 6 data drop including cable, jack, faceplate, etc.	\$
Provide (1) Dual Category 6 data drop including cable, jack, faceplate, etc.	\$
Provide (1) Single Category 6 data drop in the ceiling for a security camera or wireless access point including cable, jack, surface-mount box, etc.	\$
Provide (1) Dual Category 6 data drop in the ceiling for a security camera or wireless access point including cable, jack, surface-mount box, etc.	\$
Provide (1) Category 6 48-port modular patch panel, mounted	\$
Provide (1) Category 6 patch cord, 1-foot (delivered, no install)	\$
Provide (1) Category 6 patch cord, 3-foot (delivered, no install)	\$
Provide (1) Category 6 patch cord, 10-foot (delivered, no install)	\$
Provide (1) Floor mount enclosed equipment cabinet (as specified)	\$
Provide (1) 2" Conduit sleeve including coring, bushings, firestop	\$
Cabling Technician (Hourly Rate)	\$
Cabling Technician (Overtime Hourly Rate)	\$
Cabling Technician (Holiday Hourly Rate)	\$

END OF UNIT PRICE SHEET

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**SECTION 00 4323
ALTERNATES FORM**

PARTICULARS

1.01 THE FOLLOWING IS THE LIST OF ALTERNATES REFERENCED IN THE BID SUBMITTED BY:

1.02 (BIDDER) _____

1.03 TO (OWNER): CRESTWOOD SCHOOL DISTRICT

1.04 DATED _____ AND WHICH IS AN INTEGRAL PART OF THE BID FORM.

ALTERNATES LIST

2.01 THE FOLLOWING AMOUNTS SHALL BE ADDED TO OR DEDUCTED FROM THE BID AMOUNT AS REQUIRED FOR EACH BID PACK. CONTRACTOR TO PROVIDE ONE (1) ALTERNATES FORM PER BID PACK SUBMITTED.

2.02 REFER TO SECTION 01 2300-ALTERNATES FOR EACH ALTERNATE DESCRIPTION.

ALTERNATE # 1 BOARD ROOM IMPROVEMENTS: ADD / (DEDUCT) \$ _____

END OF SECTION

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SUBSTITUTION REQUEST

(After the Bidding/Negotiating Phase)

Project: _____ Substitution Request Number: _____

 From: _____
 To: _____ Date: _____

 A/E Project Number: _____
 Re: _____ Contract For: _____

Specification Title: _____ Description: _____
 Section: _____ Page: _____ Article/Paragraph: _____

Proposed Substitution: _____
 Manufacturer: _____ Address: _____ Phone: _____
 Trade Name: _____ Model No.: _____
 Installer: _____ Address: _____ Phone: _____

History: New product 1-4 years old 5-10 years old More than 10 years old

Differences between proposed substitution and specified product: _____

Point-by-point comparative data attached — REQUIRED BY A/E

Reason for not providing specified item: _____

Similar Installation:

Project: _____ Architect: _____
 Address: _____ Owner: _____
 _____ Date Installed: _____

Proposed substitution affects other parts of Work: No Yes; explain _____

Savings to Owner for accepting substitution: _____ (\$ _____).

Proposed substitution changes Contract Time: No Yes [Add] [Deduct] _____ days.

Supporting Data Attached: Drawings Product Data Samples Tests Reports _____

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SUBSTITUTION REQUEST

(After the Bidding/Negotiating Phase — Continued)

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
 - Same warranty will be furnished for proposed substitution as for specified product.
 - Same maintenance service and source of replacement parts, as applicable, is available.
 - Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
 - Cost data as stated above is complete. Claims for additional costs related to accepted substitution which may subsequently become apparent are to be waived.
 - Proposed substitution does not affect dimensions and functional clearances.
 - Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.
 - Coordination, installation, and changes in the Work as necessary for accepted substitution will be complete in all respects.
-

Submitted by: _____

Signed by: _____

Firm: _____

Address: _____

Telephone: _____

Attachments:

A/E's REVIEW AND RECOMMENDATION

- Approve Substitution - Make submittals in accordance with Specification Section 01 33 00 Submittal Procedures.
- Approve Substitution as noted - Make submittals in accordance with Specification Section 01 33 00 Submittal Procedures.
- Reject Substitution - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signed by: _____ Date: _____

OWNER'S REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 01 33 00 Submittal Procedures. Prepare Change Order.
- Substitution approved as noted - Make submittals in accordance with Specification Section 01 33 00 Submittal Procedures. Prepare Change Order.
- Substitution rejected - Use specified materials.

Signed by: _____ Date: _____

Additional Comments: Contractor Subcontractor Supplier Manufacturer A/E

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